Paul F Alewood

List of Publications by Year
in descending order

287 papers	16,006 citations	13099 68 h-index	25787 108 g-index
297 all docs	297 docs citations	297 times ranked	10236 citing authors

#	Article	IF	Citations
1	In situ neutralization in Bocâ€chemistry solid phase peptide synthesis. International Journal of Peptide and Protein Research, 1992, 40, 180-193.	0.1	889
2	Trends in peptide drug discovery. Nature Reviews Drug Discovery, 2021, 20, 309-325.	46.4	792
3	Evolution of separate predation- and defence-evoked venoms in carnivorous cone snails. Nature Communications, 2014, 5, 3521.	12.8	275
4	Discovery, Synthesis, and Structureâ€“Activity Relationships of Conotoxins. Chemical Reviews, 2014, 114, 5815-5847.	47.7	258
5	Selective spider toxins reveal a role for the Nav1.1 channel in mechanical pain. Nature, 2016, 534, 494-499.	27.8	239
6	Two new classes of conopeptides inhibit the Î±1-adrenoceptor and noradrenaline transporter. Nature Neuroscience, 2001, 4, 902-907.	14.8	233
7	Chemical Synthesis and Folding Pathways of Large Cyclic Polypeptides:Â Studies of the Cystine Knot Polypeptide Kalata B1â€. Biochemistry, 1999, 38, 10606-10614.	2.5	219
8	Novel Ï‰-Conotoxins from Conus catus Discriminate among Neuronal Calcium Channel Subtypes. Journal of Biological Chemistry, 2000, 275, 35335-35344.	3.4	199
9	Deep Venomics Reveals the Mechanism for Expanded Peptide Diversity in Cone Snail Venom. Molecular and Cellular Proteomics, 2013, 12, 312-329.	3.8	180
10	Conotoxins: Chemistry and Biology. Chemical Reviews, 2019, 119, 11510-11549.	47.7	174
11	Venomics: a new paradigm for natural products-based drug discovery. Amino Acids, 2011, 40, 15-28.	2.7	172
12	Î±-Selenoconotoxins, a New Class of Potent Î±7 Neuronal Nicotinic Receptor Antagonists. Journal of Biological Chemistry, 2006, 281, 14136-14143.	3.4	171
13	Ancient Venom Systems: A Review on Cnidaria Toxins. Toxins, 2015, 7, 2251-2271.	3.4	169
14	Structure determination of the three disulfide bond isomers of Î±-conotoxin GI: a model for the role of disulfide bonds in structural stability 1 1Edited by P. E. Wright. Journal of Molecular Biology, 1998, 278, 401-415.	4.2	163
15	AChBP-targeted Î±-conotoxin correlates distinct binding orientations with nAChR subtype selectivity. EMBO Journal, 2007, 26, 3858-3867.	7.8	159
16	Probing the S100 protein family through genomic and functional analysis. Genomics, 2004, 84, 10-22.	2.9	153
17	In Situ Neutralization in Boc-chemistry Solid Phase Peptide Synthesis. International Journal of Peptide Research and Therapeutics, 2007, 13, 31-44.	1.9	151
18	S100A12 provokes mast cell activation: A potential amplification pathway in asthma and innate immunity. Journal of Allergy and Clinical Immunology, 2007, 119, 106-114.	2.9	147

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19	Selenopeptide chemistry. Journal of Peptide Science, 2008, 14, 1223-1239.	1.4	138
20	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
21	Ephrin-A5 induces rounding, blebbing and de-adhesion of EphA3-expressing 293T and melanoma cells by CrkII and Rho-mediated signalling. Journal of Cell Science, 2002, 115, 1059-72.	2.0	128
22	Î²-turn topography. Tetrahedron, 1993, 49, 3467-3478.	1.9	125
23	Conformational constraints: Nonpeptide Î²-turn mimics. Journal of Molecular Recognition, 1990, 3, 55-64.	2.1	124
24	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
25	Selenoether oxytocin analogues have analgesic properties in a mouse model of chronic abdominal pain. Nature Communications, 2014, 5, 3165.	12.8	122
26	Pharmacological characterisation of the highly NaV1.7 selective spider venom peptide Pn3a. Scientific Reports, 2017, 7, 40883.	3.3	120
27	Oxidation Regulates the Inflammatory Properties of the Murine S100 Protein S100A8. Journal of Biological Chemistry, 1999, 274, 8561-8569.	3.4	116
28	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.	3.4	114
29	Modulating Oxytocin Activity and Plasma Stability by Disulfide Bond Engineering. Journal of Medicinal Chemistry, 2010, 53, 8585-8596.	6.4	112
30	The insecticidal potential of venom peptides. Cellular and Molecular Life Sciences, 2013, 70, 3665-3693.	5.4	110
31	Three-Dimensional Solution Structure of Î¼-Conotoxin GIIIB, a Specific Blocker of Skeletal Muscle Sodium Channelsâ€,â€¡. Biochemistry, 1996, 35, 8824-8835.	2.5	106
32	Proteomic analysis ofÎº-casein micro-heterogeneity. Proteomics, 2004, 4, 743-752.	2.2	106
33	Molecular Dissection of the Munc18c/Syntaxin4 Interaction: Implications for Regulation of Membrane Trafficking. Traffic, 2006, 7, 1408-1419.	2.7	106
34	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
35	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.	7.1	103
36	Preformed Selenoesters Enable Rapid Native Chemical Ligation at Intractable Sites. Angewandte Chemie - International Edition, 2011, 50, 12042-12045.	13.8	103

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37	The 1.1 Ã¥ crystal structure of the neuronal acetylcholine receptor antagonist, Î±-conotoxin PnIA from Conus pennaceus. Structure, 1996, 4, 417-423.	3.3	99
38	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
39	Conotoxins and their potential pharmaceutical applications. Drug Development Research, 1999, 46, 219-234.	2.9	97
40	Accelerated chemical synthesis of peptides and small proteins. Proceedings of the National Academy of Sciences of the United States of America, 1999, 96, 1181-1186.	7.1	96
41	Conotoxins as Research Tools and Drug Leads. Current Protein and Peptide Science, 2005, 6, 221-240.	1.4	96
42	Cyclic MrIA:Â A Stable and Potent Cyclic Conotoxin with a Novel Topological Fold that Targets the Norepinephrine Transporter. Journal of Medicinal Chemistry, 2006, 49, 6561-6568.	6.4	96
43	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.	7.1	96
44	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
45	[2] Rapid in situ neutralization protocols for Boc and Fmoc solid-phase chemistries. Methods in Enzymology, 1997, 289, 14-29.	1.0	91
46	Solution structure and proposed binding mechanism of a novel potassium channel toxin Îº-conotoxin PVIIA. Structure, 1997, 5, 1585-1597.	3.3	88
47	Total Synthesis of the Analgesic Conotoxin MrVIB through Selenocysteineâ€Assisted Folding. Angewandte Chemie - International Edition, 2011, 50, 6527-6529.	13.8	88
48	Synthesis of Difficult Cyclic Peptides by Inclusion of a Novel Photolabile Auxiliary in a Ring Contraction Strategy. Journal of the American Chemical Society, 1999, 121, 9790-9796.	13.7	86
49	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.	7.1	85
50	Crystal Structure at 1.1 Ã... Resolution of Î±-Conotoxin PnIB:Â Comparison with Î±-Conotoxins PnIA and Glâ€. Biochemistry, 1997, 36, 11323-11330.	2.5	84
51	Differential Evolution and Neofunctionalization of Snake Venom Metalloprotease Domains. Molecular and Cellular Proteomics, 2013, 12, 651-663.	3.8	83
52	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.	8.9	82
53	A Novel Conotoxin Inhibitor of Kv1.6 Channel and nAChR Subtypes Defines a New Superfamily of Conotoxins,. Biochemistry, 2006, 45, 8331-8340.	2.5	81
54	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

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55	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
56	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
57	Proteomic Analysis of Temperature-Dependent Changes in Stored UHT Milk. Journal of Agricultural and Food Chemistry, 2011, 59, 1837-1846.	5.2	80
58	Discovery and Structure of a Potent and Highly Specific Blocker of Insect Calcium Channels. Journal of Biological Chemistry, 2001, 276, 40306-40312.	3.4	79
59	Resolution and characterisation of multiple isoforms of bovine Î²-casein by 2-DE following a reversible cysteine-tagging enrichment strategy. Proteomics, 2006, 6, 3087-3095.	2.2	78
60	Conopressin-T from Conus tulipa Reveals an Antagonist Switch in Vasopressin-like Peptides. Journal of Biological Chemistry, 2008, 283, 7100-7108.	3.4	76
61	D-Amino acid residue in the C-type natriuretic peptide from the venom of the mammal,Ornithorhynchus anatinus, the Australian platypus. FEBS Letters, 2002, 524, 172-176.	2.8	75
62	A Backbone Linker for BOC-Based Peptide Synthesis and On-Resin Cyclization:Â Synthesis of Stylostatin 1â€,Â§. Journal of Organic Chemistry, 1999, 64, 3095-3101.	3.2	73
63	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
64	Cone snail venomics: from novel biology to novel therapeutics. Future Medicinal Chemistry, 2014, 6, 1659-1675.	2.3	72
65	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.	2.3	72
66	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
67	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
68	Electrospray liquid chromatography/mass spectrometry fingerprinting ofAcanthophis(death adder) venoms: taxonomic and toxinological implications. Rapid Communications in Mass Spectrometry, 2002, 16, 600-608.	1.5	70
69	Analysis ofO-glycosylation site occupancy in bovine ?-casein glycoforms separated by two-dimensional gel electrophoresis. Proteomics, 2005, 5, 990-1002.	2.2	70
70	Identification of a Novel Class of Nicotinic Receptor Antagonists. Journal of Biological Chemistry, 2006, 281, 24745-24755.	3.4	70
71	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
72	Transcriptomic Messiness in the Venom Duct of Conus miles Contributes to Conotoxin Diversity. Molecular and Cellular Proteomics, 2013, 12, 3824-3833.	3.8	70

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73	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
74	Structure of the HERG K+ Channel S5P Extracellular Linker. Journal of Biological Chemistry, 2003, 278, 42136-42148.	3.4	69
75	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
76	Synthesis, Stability, Antiviral Activity, and Protease-Bound Structures of Substrate-Mimicking Constrained Macrocyclic Inhibitors of HIV-1 Protease. Journal of Medicinal Chemistry, 2000, 43, 3495-3504.	6.4	68
77	Mast Cell and Monocyte Recruitment by S100A12 and Its Hinge Domain. Journal of Biological Chemistry, 2008, 283, 13035-13043.	3.4	68
78	Solution structure of robustoxin, the lethal neurotoxin from the funnel-web spiderAtrax robustus. FEBS Letters, 1997, 419, 191-196.	2.8	67
79	Chemical Synthesis, 3D Structure, and ASIC Binding Site of the Toxin Mambalginâ€2. Angewandte Chemie - International Edition, 2014, 53, 1017-1020.	13.8	66
80	Novel natriuretic peptides from the venom of the inland taipan (Oxyuranus microlepidotus): isolation, chemical and biological characterisation. Biochemical and Biophysical Research Communications, 2005, 327, 1011-1015.	2.1	65
81	Characterisation of Nav types endogenously expressed in human SH-SY5Y neuroblastoma cells. Biochemical Pharmacology, 2012, 83, 1562-1571.	4.4	64
82	Lonspray mass spectrometry of ciguatoxin-1, maitotoxin-2 and -3, and related marine polyether toxins. Natural Toxins, 1994, 2, 56-63.	1.0	63
83	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
84	Direct Visualization of Disulfide Bonds through Diselenide Proxies Using ⁷⁷Se NMR Spectroscopy. Angewandte Chemie - International Edition, 2009, 48, 9312-9314.	13.8	63
85	Total chemical synthesis and chemotactic activity of human S100A12 (ENâ€RAGE). FEBS Letters, 2001, 488, 85-90.	2.8	62
86	Analysis of the Human Casein Phosphoproteome by 2-D Electrophoresis and MALDI-TOF/TOF MS Reveals New Phosphoforms. Journal of Proteome Research, 2008, 7, 5017-5027.	3.7	62
87	Comparative Venomics Reveals the Complex Prey Capture Strategy of the Piscivorous Cone Snail Conus catus. Journal of Proteome Research, 2015, 14, 4372-4381.	3.7	62
88	Solution Structure of Î±-Conotoxin ImI by 1H Nuclear Magnetic Resonance. Journal of Medicinal Chemistry, 1999, 42, 2364-2372.	6.4	60
89	Inhibition of the Norepinephrine Transporter by the Venom Peptide Ï‡-MrIA. Journal of Biological Chemistry, 2003, 278, 40317-40323.	3.4	60
90	D-Amino acid residue in a defensin-like peptide from platypus venom: effect on structure and chromatographic properties. Biochemical Journal, 2005, 391, 215-220.	3.7	60

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91	Peptideâ€Decorated Dendrimers and Their Bioapplications. Angewandte Chemie - International Edition, 2016, 55, 5124-5134.	13.8	60
92	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
93	The solid phase synthesis of dihydro- and tetrahydroisoquinolines. Tetrahedron Letters, 1995, 36, 7709-7712.	1.4	58
94	Three-Dimensional Solution Structure of Î±-Conotoxin MII by NMR Spectroscopy:Â Effects of Solution Environment on Helicityâ€,â€¡. Biochemistry, 1998, 37, 15621-15630.	2.5	58
95	Structure-Activity Studies on Alpha-Conotoxins. Current Pharmaceutical Design, 2011, 17, 4226-4241.	1.9	58
96	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.	3.0	58
97	Bioactive Components in Fish Venoms. Toxins, 2015, 7, 1497-1531.	3.4	58
98	Solution structure of a defensin-like peptide from platypus venom. Biochemical Journal, 1999, 341, 785-794.	3.7	57
99	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
100	The 1.1 Ã… Resolution Crystal Structure of [Tyr15]EpI, a Novel Î±-Conotoxin fromConus episcopatus, Solved by Direct Methodsâ€. Biochemistry, 1998, 37, 11425-11433.	2.5	56
101	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.	3.4	56
102	A Tarantula-Venom Peptide Antagonizes the TRPA1 Nociceptor Ion Channel by Binding to the S1â€“S4 Gating Domain. Current Biology, 2014, 24, 473-483.	3.9	56
103	Solution structure of the sodium channel antagonist conotoxin GS: a new molecular caliper for probing sodium channel geometry. Structure, 1997, 5, 571-583.	3.3	54
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	A novel thioether linker: Chemical synthesis of a HIV-1 protease analogue by thioether ligation. Tetrahedron Letters, 1995, 36, 8871-8874.	1.4	53
107	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.	3.4	53
108	Biomolecular Interaction Analysis of IFNÎ³-Induced Signaling Events in Whole-Cell Lysates: Prevalence of Latent STAT1 in High-Molecular Weight Complexes. Growth Factors, 1998, 16, 39-51.	1.7	52

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109	The role of defensive ecological interactions in theÂevolution of conotoxins. Molecular Ecology, 2016, 25, 598-615.	3.9	52
110	A theoretical study of the Curtius rearrangement. The electronic structures and interconversions of the CHNO species. Canadian Journal of Chemistry, 1977, 55, 1498-1510.	1.1	51
111	Cyclization of Peptides by using Selenolanthionine Bridges. Angewandte Chemie - International Edition, 2012, 51, 10298-10302.	13.8	51
112	Isolation and characterization of Î±-conotoxin LsIA with potent activity at nicotinic acetylcholine receptors. Biochemical Pharmacology, 2013, 86, 791-799.	4.4	51
113	An ActivatedOâ†'NAcyl Transfer Auxiliary:Â Efficient Amide-Backbone Substitution of Hindered â€œDifficultâ€• Peptides. Journal of Organic Chemistry, 2000, 65, 5460-5468.	3.2	50
114	Chemical Engineering and Structural and Pharmacological Characterization of the Î±-Scorpion Toxin OD1. ACS Chemical Biology, 2013, 8, 1215-1222.	3.4	50
115	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
116	RegIIA: An Î±4/7-conotoxin from the venom of Conus regius that potently blocks Î±3Î²4 nAChRs. Biochemical Pharmacology, 2012, 83, 419-426.	4.4	49
117	Mammalianl-to-d-amino-acid-residue isomerase from platypus venom. FEBS Letters, 2006, 580, 1587-1591.	2.8	48
118	Structural engineering of the HIVâ€1 protease molecule with a Î²â€turn mimic of fixed geometry. Protein Science, 1993, 2, 1085-1091.	7.6	47
119	Effects of Chirality at Tyr13 on the Structureâ^'Activity Relationships of Ï‰-Conotoxins from Conus magus. Biochemistry, 1999, 38, 6741-6751.	2.5	47
120	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.	2.4	47
121	Firing the Sting: Chemically Induced Discharge of Cnidae Reveals Novel Proteins and Peptides from Box Jellyfish (Chironex fleckeri) Venom. Toxins, 2015, 7, 936-950.	3.4	47
122	Structure of Î±-conotoxin BuIA: influences of disulfide connectivity on structural dynamics. BMC Structural Biology, 2007, 7, 28.	2.3	46
123	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.	13.8	46
124	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.	5.4	46
125	Mutagenicity of N-hydroxy-2-acetylaminofluorene and N-hydroxy-phenacetin and their respective deacetylated metabolites in nitroreductase deficient Salmonella TA98FR and TA100FR. Carcinogenesis, 1982, 3, 167-170.	2.8	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	Siteâ€Specific pK_a Determination of Selenocysteine Residues in Selenovasopressin by Using ⁷⁷Se NMR Spectroscopy. Angewandte Chemie - International Edition, 2011, 50, 11952-11955.	13.8	44
128	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
129	Species and Regional Variations in the Effectiveness of Antivenom against the in Vitro Neurotoxicity of Death Adder (Acanthophis) Venoms. Toxicology and Applied Pharmacology, 2001, 175, 140-148.	2.8	43
130	Solution structure of CnErg1 (Ergtoxin), a HERG specific scorpion toxin. FEBS Letters, 2003, 539, 138-142.	2.8	43
131	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
132	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.	3.4	43
133	Chemical synthesis and folding of APETx2, a potent and selective inhibitor of acid sensing ion channel 3. Toxicon, 2009, 54, 56-61.	1.6	42
134	A proteomic approach to detect lactosylation and other chemical changes in stored milk protein concentrate. Food Chemistry, 2012, 132, 655-662.	8.2	42
135	Discovery of an MIT-like atracotoxin family: Spider venom peptides that share sequence homology but not pharmacological properties with AVIT family proteins. Peptides, 2005, 26, 2412-2426.	2.4	41
136	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.	6.4	40
137	The Development and Application of a Novel Safety-Catch Linker for BOC-Based Assembly of Libraries of Cyclic Peptidesâ€–,1. Journal of Organic Chemistry, 2001, 66, 7706-7713.	3.2	39
138	Solution structure of Ï‡-conopeptide MrIA, a modulator of the human norepinephrine transporter. Biopolymers, 2005, 80, 815-823.	2.4	39
139	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
140	Intraspecific variations in Conus geographus defence-evoked venom and estimation of the human lethal dose. Toxicon, 2014, 91, 135-144.	1.6	39
141	Cloning and characterisation of natriuretic peptides from the venom glands of Australian elapids. Biochimie, 2006, 88, 1923-1931.	2.6	38
142	Inhibition of Neuronal Nicotinic Acetylcholine Receptor Subtypes by Î±-Conotoxin GID and Analogues*. Journal of Biological Chemistry, 2009, 284, 4944-4951.	3.4	38
143	Binding Inhibitors of the Bacterial Sliding Clamp by Design. Journal of Medicinal Chemistry, 2011, 54, 4831-4838.	6.4	38
144	Isolation and Characterization of Conopeptides by High-performance Liquid Chromatography Combined with Mass Spectrometry and Tandem Mass Spectrometry. , 1996, 10, 138-143.		37

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145	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
146	Gomesin inhibits melanoma growth by manipulating key signaling cascades that control cell death and proliferation. Scientific Reports, 2018, 8, 11519.	3.3	37
147	Cysteine-Rich Mini-Proteins in Human Biology. Current Topics in Medicinal Chemistry, 2012, 12, 1514-1533.	2.1	36
148	Structureâ^'Activity Studies of Conantokins as Human N-Methyl-d-aspartate Receptor Modulators,. Journal of Medicinal Chemistry, 1999, 42, 415-426.	6.4	35
149	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.	7.1	35
150	Privileged frameworks from snake venom. Cellular and Molecular Life Sciences, 2015, 72, 1939-1958.	5.4	35
151	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.	4.2	35
152	The oxytocin receptor signalling system and breast cancer: a critical review. Oncogene, 2020, 39, 5917-5932.	5.9	35
153	Subtle modifications to oxytocin produce ligands that retain potency and improved selectivity across species. Science Signaling, 2017, 10, .	3.6	34
154	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.	5.4	34
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