Norelle L Daly

List of Publications by Year
in descending order

206 papers	13,011 citations	16451 64 h-index	29157 104 g-index
213 all docs	213 docs citations	213 times ranked	7104 citing authors

#	Article	IF	Citations
1	Plant cyclotides: A unique family of cyclic and knotted proteins that defines the cyclic cystine knot structural motif. Journal of Molecular Biology, 1999, 294, 1327-1336.	4.2	734
2	The cystine knot motif in toxins and implications for drug design. Toxicon, 2001, 39, 43-60.	1.6	436
3	Twists, Knots, and Rings in Proteins. Journal of Biological Chemistry, 2003, 278, 8606-8616.	3.4	292
4	Microcin J25 Has a Threaded Sidechain-to-Backbone Ring Structure and Not a Head-to-Tail Cyclized Backbone. Journal of the American Chemical Society, 2003, 125, 12464-12474.	13.7	248
5	Isolation, Solution Structure, and Insecticidal Activity of Kalata B2, a Circular Protein with a Twist:Â Do MÃ¶bius Strips Exist in Nature?â€,â€¡. Biochemistry, 2005, 44, 851-860.	2.5	225
6	Engineering stable peptide toxins by means of backbone cyclization: Stabilization of the Â-conotoxin MII. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 13767-13772.	7.1	220
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	Circular Proteins in Plants. Journal of Biological Chemistry, 2001, 276, 22875-22882.	3.4	209
9	Engineering pro-angiogenic peptides using stable, disulfide-rich cyclic scaffolds. Blood, 2011, 118, 6709-6717.	1.4	197
10	Efficient backbone cyclization of linear peptides by a recombinant asparaginyl endopeptidase. Nature Communications, 2015, 6, 10199.	12.8	186
11	Three-dimensional structure of a cysteine-rich repeat from the low-density lipoprotein receptor.. Proceedings of the National Academy of Sciences of the United States of America, 1995, 92, 6334-6338.	7.1	182
12	Engineering Stabilized Vascular Endothelial Growth Factor-A Antagonists: Synthesis, Structural Characterization, and Bioactivity of Grafted Analogues of Cyclotides. Journal of Medicinal Chemistry, 2008, 51, 7697-7704.	6.4	177
13	Discovery, structure and biological activities of cyclotidesâ˜†. Advanced Drug Delivery Reviews, 2009, 61, 918-930.	13.7	176
14	Î±-Selenoconotoxins, a New Class of Potent Î±7 Neuronal Nicotinic Receptor Antagonists. Journal of Biological Chemistry, 2006, 281, 14136-14143.	3.4	171
15	Discovery, Structure and Biological Activities of the Cyclotides. Current Protein and Peptide Science, 2004, 5, 297-315.	1.4	167
16	Structural plasticity of the cyclic-cystine-knot framework: implications for biological activity and drug design. Biochemical Journal, 2006, 394, 85-93.	3.7	162
17	Identification and Characterization of a New Family of Cell-penetrating Peptides. Journal of Biological Chemistry, 2011, 286, 36932-36943.	3.4	159
18	Decoding the Membrane Activity of the Cyclotide Kalata B1. Journal of Biological Chemistry, 2011, 286, 24231-24241.	3.4	155

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19	Alanine Scanning Mutagenesis of the Prototypic Cyclotide Reveals a Cluster of Residues Essential for Bioactivity. Journal of Biological Chemistry, 2008, 283, 9805-9813.	3.4	153
20	Discovery of Cyclotides in the Fabaceae Plant Family Provides New Insights into the Cyclization, Evolution, and Distribution of Circular Proteins. ACS Chemical Biology, 2011, 6, 345-355.	3.4	151
21	The Biological Activity of the Prototypic Cyclotide Kalata B1 Is Modulated by the Formation of Multimeric Pores. Journal of Biological Chemistry, 2009, 284, 20699-20707.	3.4	144
22	Discovery of an unusual biosynthetic origin for circular proteins in legumes. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 10127-10132.	7.1	143
23	The cyclotide family of circular miniproteins: Nature's combinatorial peptide template. Biopolymers, 2006, 84, 250-266.	2.4	142
24	Bioactive cystine knot proteins. Current Opinion in Chemical Biology, 2011, 15, 362-368.	6.1	142
25	Albumins and their processing machinery are hijacked for cyclic peptides in sunflower. Nature Chemical Biology, 2011, 7, 257-259.	8.0	141
26	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
27	Cyclic Peptides Arising by Evolutionary Parallelism via Asparaginyl-Endopeptidaseâ€“Mediated Biosynthesis. Plant Cell, 2012, 24, 2765-2778.	6.6	129
28	Oxytocic plant cyclotides as templates for peptide G protein-coupled receptor ligand design. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 21183-21188.	7.1	129
29	Î¸-Defensins Prevent HIV-1 Env-mediated Fusion by Binding gp41 and Blocking 6-Helix Bundle Formation. Journal of Biological Chemistry, 2006, 281, 18787-18792.	3.4	125
30	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
31	Conserved Structural and Sequence Elements Implicated in the Processing of Gene-encoded Circular Proteins. Journal of Biological Chemistry, 2004, 279, 46858-46867.	3.4	122
32	High-affinity Cyclic Peptide Matriptase Inhibitors. Journal of Biological Chemistry, 2013, 288, 13885-13896.	3.4	122
33	Isolation and Characterization of Novel Cyclotides from Viola hederaceae. Journal of Biological Chemistry, 2005, 280, 22395-22405.	3.4	117
34	Disulfide Folding Pathways of Cystine Knot Proteins. Journal of Biological Chemistry, 2003, 278, 6314-6322.	3.4	116
35	Phosphatidylethanolamine Binding Is a Conserved Feature of Cyclotide-Membrane Interactions. Journal of Biological Chemistry, 2012, 287, 33629-33643.	3.4	115
36	Solution structure by NMR of circulin A: a macrocyclic knotted peptide having anti-HIV activity 1 1Edited by P. E. Wright. Journal of Molecular Biology, 1999, 285, 333-345.	4.2	113

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37	Linearization of a Naturally Occurring Circular Protein Maintains Structure but Eliminates Hemolytic Activity,. Biochemistry, 2003, 42, 6688-6695.	2.5	110
38	The NK cell granule protein NKG7 regulates cytotoxic granule exocytosis and inflammation. Nature Immunology, 2020, 21, 1205-1218.	14.5	110
39	The role of the cyclic peptide backbone in the anti-HIV activity of the cyclotide kalata B1. FEBS Letters, 2004, 574, 69-72.	2.8	108
40	The Cyclotide Fingerprint inOldenlandia affinis: Elucidation of Chemically Modified, Linear and Novel Macrocyclic Peptides. ChemBioChem, 2007, 8, 1001-1011.	2.6	108
41	Kalata B8, a novel antiviral circular protein, exhibits conformational flexibility in the cystine knot motif. Biochemical Journal, 2006, 393, 619-626.	3.7	107
42	Discovery and Characterization of a Linear Cyclotide from Viola odorata: Implications for the Processing of Circular Proteins. Journal of Molecular Biology, 2006, 357, 1522-1535.	4.2	106
43	Acyclic Permutants of Naturally Occurring Cyclic Proteins. Journal of Biological Chemistry, 2000, 275, 19068-19075.	3.4	99
44	Three-Dimensional Structure of the Second Cysteine-Rich Repeat from the Human Low-Density Lipoprotein Receptor. Biochemistry, 1995, 34, 14474-14481.	2.5	98
45	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
46	The cyclic cystine knot miniprotein MCoTI-II is internalized into cells by macropinocytosis. International Journal of Biochemistry and Cell Biology, 2007, 39, 2252-2264.	2.8	96
47	Solution Structure and Novel Insights into the Determinants of the Receptor Specificity of Human Relaxin-3. Journal of Biological Chemistry, 2006, 281, 5845-5851.	3.4	93
48	Chemical Re-engineering of Chlorotoxin Improves Bioconjugation Properties for Tumor Imaging and Targeted Therapy. Journal of Medicinal Chemistry, 2011, 54, 782-787.	6.4	91
49	Total Synthesis of the Analgesic Conotoxin MrVIB through Selenocysteineâ€Assisted Folding. Angewandte Chemie - International Edition, 2011, 50, 6527-6529.	13.8	88
50	Design, Synthesis, Structural and Functional Characterization of Novel Melanocortin Agonists Based on the Cyclotide Kalata B1. Journal of Biological Chemistry, 2012, 287, 40493-40501.	3.4	88
51	The A-chain of Human Relaxin Family Peptides Has Distinct Roles in the Binding and Activation of the Different Relaxin Family Peptide Receptors. Journal of Biological Chemistry, 2008, 283, 17287-17297.	3.4	85
52	Potential therapeutic applications of the cyclotides and related cystine knot mini-proteins. Expert Opinion on Investigational Drugs, 2007, 16, 595-604.	4.1	83
53	Revisiting Inflammatory Bowel Disease: Pathology, Treatments, Challenges and Emerging Therapeutics Including Drug Leads from Natural Products. Journal of Clinical Medicine, 2020, 9, 1273.	2.4	83
54	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

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55	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
56	Structures of Î¼O-conotoxins from Conus marmoreus. Journal of Biological Chemistry, 2004, 279, 25774-25782.	3.4	80
57	Carcinogenic Parasite Secretes Growth Factor That Accelerates Wound Healing and Potentially Promotes Neoplasia. PLoS Pathogens, 2015, 11, e1005209.	4.7	78
58	Conopressin-T from Conus tulipa Reveals an Antagonist Switch in Vasopressin-like Peptides. Journal of Biological Chemistry, 2008, 283, 7100-7108.	3.4	76
59	Chemical synthesis and biosynthesis of the cyclotide family of circular proteins. IUBMB Life, 2006, 58, 515-524.	3.4	75
60	Cyclotides: macrocyclic peptides with applications in drug design and agriculture. Cellular and Molecular Life Sciences, 2010, 67, 9-16.	5.4	75
61	Role of Phosphorylation in the Conformation of Ï„ Peptides Implicated in Alzheimer's Diseaseâ€. Biochemistry, 2000, 39, 9039-9046.	2.5	74
62	Solution Structure and Characterization of the LGR8 Receptor Binding Surface of Insulin-like Peptide 3. Journal of Biological Chemistry, 2006, 281, 28287-28295.	3.4	73
63	Cyclization of conotoxins to improve their biopharmaceutical properties. Toxicon, 2012, 59, 446-455.	1.6	68
64	The Cyclic Cystine Ladder in Î¸-Defensins Is Important for Structure and Stability, but Not Antibacterial Activity. Journal of Biological Chemistry, 2013, 288, 10830-10840.	3.4	67
65	The Absolute Structural Requirement for a Proline in the P3â€²-position of Bowman-Birk Protease Inhibitors Is Surmounted in the Minimized SFTI-1 Scaffold. Journal of Biological Chemistry, 2006, 281, 23668-23675.	3.4	66
66	Isolation and characterization of cytotoxic cyclotides from Viola tricolor. Peptides, 2010, 31, 1434-1440.	2.4	65
67	Dual-targeting anti-angiogenic cyclic peptides as potential drug leads for cancer therapy. Scientific Reports, 2016, 6, 35347.	3.3	65
68	Isolation, Sequencing, and Structureâˆ'Activity Relationships of Cyclotides. Journal of Natural Products, 2010, 73, 1610-1622.	3.0	64
69	Design and Synthesis of Truncated EGF-A Peptides that Restore LDL-R Recycling in the Presence of PCSK9 InÂVitro. Chemistry and Biology, 2014, 21, 284-294.	6.0	63
70	Cyclization of the Antimicrobial Peptide Gomesin with Native Chemical Ligation: Influences on Stability and Bioactivity. ChemBioChem, 2013, 14, 617-624.	2.6	62
71	The cyclotides and related macrocyclic peptides as scaffolds in drug design. Current Opinion in Drug Discovery & Development, 2006, 9, 251-60.	1.9	62
72	Disulfide bridges of a cysteine-rich repeat of the LDL receptor ligand-binding domain. Biochemistry, 1995, 34, 13059-13065.	2.5	61

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73	Solution Structure of Î±-Conotoxin ImI by 1H Nuclear Magnetic Resonance. Journal of Medicinal Chemistry, 1999, 42, 2364-2372.	6.4	60
74	Structure-activity relationships of alpha-conotoxins targeting neuronal nicotinic acetylcholine receptors. FEBS Journal, 2004, 271, 2320-2326.	0.2	59
75	Isolation and characterization of cytotoxic cyclotides from Viola philippica. Peptides, 2011, 32, 1719-1723.	2.4	59
76	Effects of Cyclization on Stability, Structure, and Activity of Î±-Conotoxin RgIA at the Î±9Î±10 Nicotinic Acetylcholine Receptor and GABABReceptor. Journal of Medicinal Chemistry, 2011, 54, 6984-6992.	6.4	59
77	Design of substrate-based BCR-ABL kinase inhibitors using the cyclotide scaffold. Scientific Reports, 2015, 5, 12974.	3.3	58
78	Structures of Naturally Occurring Circular Proteins from Bacteria. Journal of Bacteriology, 2003, 185, 4011-4021.	2.2	57
79	A Comparison of the Self-association Behavior of the Plant Cyclotides Kalata B1 and Kalata B2 via Analytical Ultracentrifugation. Journal of Biological Chemistry, 2004, 279, 562-570.	3.4	57
80	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
81	Identifying the immunomodulatory components of helminths. Parasite Immunology, 2015, 37, 293-303.	1.5	56
82	Dissecting the Oxidative Folding of Circular Cystine Knot Miniproteins. Antioxidants and Redox Signaling, 2009, 11, 971-980.	5.4	55
83	Isolation of an Orally Active Insecticidal Toxin from the Venom of an Australian Tarantula. PLoS ONE, 2013, 8, e73136.	2.5	55
84	The cyclotides: novel macrocyclic peptides as scaffolds in drug design. Current Opinion in Drug Discovery & Development, 2002, 5, 251-60.	1.9	53
85	Structure of catalytic domain of Matriptase in complex with Sunflower trypsin inhibitor-1. BMC Structural Biology, 2011, 11, 30.	2.3	51
86	Isolation and characterization of Î±-conotoxin LsIA with potent activity at nicotinic acetylcholine receptors. Biochemical Pharmacology, 2013, 86, 791-799.	4.4	51
87	The C-terminal propeptide of a plant defensin confers cytoprotective and subcellular targeting functions. BMC Plant Biology, 2014, 14, 41.	3.6	50
88	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
89	A Synthetic Mirror Image of Kalata B1 Reveals that Cyclotide Activity Is Independent of a Protein Receptor. ChemBioChem, 2011, 12, 2456-2462.	2.6	49
90	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

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91	Structure of human insulin-like peptide 5 and characterization of conserved hydrogen bonds and electrostatic interactions within the relaxin framework. Biochemical Journal, 2009, 419, 619-627.	3.7	47
92	Engineering of Conotoxins for the Treatment of Pain. Current Pharmaceutical Design, 2011, 17, 4242-4253.	1.9	47
93	Characterizing circular peptides in mixtures: sequence fragment assembly of cyclotides from a violet plant by MALDI-TOF/TOF mass spectrometry. Amino Acids, 2013, 44, 581-595.	2.7	47
94	Structure of Î±-conotoxin BuIA: influences of disulfide connectivity on structural dynamics. BMC Structural Biology, 2007, 7, 28.	2.3	46
95	Structural studies of conotoxins. IUBMB Life, 2009, 61, 144-150.	3.4	46
96	Knots in Rings. Journal of Biological Chemistry, 2006, 281, 8224-8232.	3.4	45
97	NMR of conotoxins: structural features and an analysis of chemical shifts of post-translationally modified amino acids. Magnetic Resonance in Chemistry, 2006, 44, S41-S50.	1.9	44
98	NMR as a tool for elucidating the structures of circular and knotted proteins. Molecular BioSystems, 2007, 3, 257.	2.9	44
99	Retrocyclin-2:â€‰ Structural Analysis of a Potent Anti-HIV Î¸-Defensin[,]. Biochemistry, 2007, 46, 9920-9928.	2.5	43
100	Stabilization of Î±-Conotoxin AuIB: Influences of Disulfide Connectivity and Backbone Cyclization. Antioxidants and Redox Signaling, 2011, 14, 87-95.	5.4	43
101	Structure and Activity of Î±-Conotoxin PeIA at Nicotinic Acetylcholine Receptor Subtypes and GABAB Receptor-coupled N-type Calcium Channels. Journal of Biological Chemistry, 2011, 286, 10233-10237.	3.4	43
102	Structure of the R3/I5 Chimeric Relaxin Peptide, a Selective GPCR135 and GPCR142 Agonist. Journal of Biological Chemistry, 2008, 283, 23811-23818.	3.4	42
103	Isolation and Characterization of Peptides from <i>Momordica cochinchinensis</i> Seeds. Journal of Natural Products, 2009, 72, 1453-1458.	3.0	42
104	Solution Structure of the Cyclotide Palicourein. Structure, 2004, 12, 85-94.	3.3	41
105	Cyclic thrombospondin-1 mimetics: grafting of a thrombospondin sequence into circular disulfide-rich frameworks to inhibit endothelial cell migration. Bioscience Reports, 2015, 35, .	2.4	41
106	Structural and Functional Characterization of the Conserved Salt Bridge in Mammalian Paneth Cell Î±-Defensins. Journal of Biological Chemistry, 2006, 281, 28068-28078.	3.4	40
107	Venomics: A Mini-Review. High-Throughput, 2018, 7, 19.	4.4	40
108	Solution structure of Ï‡-conopeptide MrIA, a modulator of the human norepinephrine transporter. Biopolymers, 2005, 80, 815-823.	2.4	39

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109	An engineered cyclic peptide alleviates symptoms of inflammation in a murine model of inflammatory bowel disease. Journal of Biological Chemistry, 2017, 292, 10288-10294.	3.4	39
110	Solution Structures of thecis- andtrans-Pro30 Isomers of a Novel 38-Residue Toxin from the Venom ofHadronyche Infensa sp. that Contains a Cystine-Knot Motif within Its Four Disulfide Bondsâ€,â€¡. Biochemistry, 2002, 41, 3294-3301.	2.5	38
111	The Structure of a Two-Disulfide Intermediate Assists in Elucidating the Oxidative Folding Pathway of a Cyclic Cystine Knot Protein. Structure, 2008, 16, 842-851.	3.3	38
112	Inhibition of Neuronal Nicotinic Acetylcholine Receptor Subtypes by Î±-Conotoxin GID and Analogues*. Journal of Biological Chemistry, 2009, 284, 4944-4951.	3.4	38
113	Structural Insights into the Role of the Cyclic Backbone in a Squash Trypsin Inhibitor. Journal of Biological Chemistry, 2013, 288, 36141-36148.	3.4	38
114	Venom Costs and Optimization in Scorpions. Frontiers in Ecology and Evolution, 2019, 7, .	2.2	38
115	Solution Structure, Membrane Interactions, and Protein Binding Partners of the Tetraspanin Sm-TSP-2, a Vaccine Antigen from the Human Blood Fluke Schistosoma mansoni. Journal of Biological Chemistry, 2014, 289, 7151-7163.	3.4	33
116	Vicinal Disulfide Constrained Cyclic Peptidomimetics: a Turn Mimetic Scaffold Targeting the Norepinephrine Transporter. Angewandte Chemie - International Edition, 2013, 52, 12020-12023.	13.8	32
117	The threeâ€dimensional structure of the analgesic Î±â€conotoxin, RgIA. FEBS Letters, 2008, 582, 597-602.	2.8	31
118	Development of a Potent Wound Healing Agent Based on the Liver Fluke Granulin Structural Fold. Journal of Medicinal Chemistry, 2017, 60, 4258-4266.	6.4	31
119	Structure and metal binding studies of the second copper binding domain of the Menkes ATPase. Journal of Structural Biology, 2003, 143, 209-218.	2.8	30
120	Structure of Circulin B and Implications for Antimicrobial Activity of the Cyclotides. International Journal of Peptide Research and Therapeutics, 2005, 11, 99-106.	1.9	30
121	Molecular Engineering of Conotoxins: The Importance of Loop Size to Î±-Conotoxin Structure and Function. Journal of Medicinal Chemistry, 2008, 51, 5575-5584.	6.4	30
122	NMR and protein structure in drug design: application to cyclotides and conotoxins. European Biophysics Journal, 2011, 40, 359-370.	2.2	30
123	The Î±-defensin salt-bridge induces backbone stability to facilitate folding and confer proteolytic resistance. Amino Acids, 2012, 43, 1471-1483.	2.7	29
124	Development of Novel Melanocortin Receptor Agonists Based on the Cyclic Peptide Framework of Sunflower Trypsin Inhibitor-1. Journal of Medicinal Chemistry, 2018, 61, 3674-3684.	6.4	29
125	Tyrosine-rich Conopeptides Affect Voltage-gated K+ Channels. Journal of Biological Chemistry, 2008, 283, 23026-23032.	3.4	27
126	Solution Structure, Aggregation Behavior, and Flexibility of Human Relaxin-2. ACS Chemical Biology, 2015, 10, 891-900.	3.4	27

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127	Disulfide Bridges: Bringing Together Frustrated Structure in a Bioactive Peptide. Biophysical Journal, 2016, 110, 1744-1752.	0.5	27
128	Capped acyclic permutants of the circular protein kalata B1. FEBS Letters, 2004, 577, 399-402.	2.8	26
129	Anthelminthic activity of the cyclotides (kalata B1 and B2) against schistosome parasites. Biopolymers, 2013, 100, 461-470.	2.4	26
130	Solution Structure of BSTI:Â A New Trypsin Inhibitor from Skin Secretions ofBombina bombinaâ€‚â€¡. Biochemistry, 2001, 40, 4601-4609.	2.5	25
131	Differences in the Average Single Molecule Activities ofE. coliÎ²-Galactosidase: Effect of Source, Enzyme Molecule Age and Temperature of Induction. The Protein Journal, 2003, 22, 555-561.	1.1	25
132	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.	13.8	25
133	Isolation and Characterization of Bioactive Cyclotides from <i>Viola labridorica</i>. Helvetica Chimica Acta, 2010, 93, 2287-2295.	1.6	24
134	Structural and biochemical characteristics of the cyclotide kalata B5 from <i>Oldenlandia affinis</i>. Biopolymers, 2010, 94, 647-658.	2.4	24
135	Cyclotides: a patent review. Expert Opinion on Therapeutic Patents, 2011, 21, 1657-1672.	5.0	24
136	Structureâ€"activity relationship and conformational studies of the natural product cyclic depsipeptides YM-254890 and FR900359. European Journal of Medicinal Chemistry, 2018, 156, 847-860.	5.5	24
137	Hookworm-Derived Metabolites Suppress Pathology in a Mouse Model of Colitis and Inhibit Secretion of Key Inflammatory Cytokines in Primary Human Leukocytes. Infection and Immunity, 2019, 87, .	2.2	24
138	Holocyclotoxin-1, a cystine knot toxin from Ixodes holocyclus. Toxicon, 2014, 90, 308-317.	1.6	23
139	Lipid core peptide targeting the cathepsin D hemoglobinase of<i>Schistosoma mansoni</i>as a component of a schistosomiasis vaccine. Human Vaccines and Immunotherapeutics, 2014, 10, 399-409.	3.3	23
140	Chemical Synthesis and Structure of the Prokineticin Bv8. ChemBioChem, 2010, 11, 1882-1888.	2.6	22
141	The chemistry and biology of cyclotides. Current Opinion in Drug Discovery & Development, 2007, 10, 176-84.	1.9	21
142	Quantification of small cyclic disulfideâ€rich peptides. Biopolymers, 2012, 98, 518-524.	2.4	20
143	A new family of cystine knot peptides from the seeds of Momordica cochinchinensis. Peptides, 2013, 39, 29-35.	2.4	20
144	Synthesis, Structure and Biological Activity of CIA and CIB, Two Î±-Conotoxins from the Predation-Evoked Venom of Conus catus. Toxins, 2018, 10, 222.	3.4	20

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145	Beta-arrestin 2 is required for complement C1q expression in macrophages and constrains factor-independent survival. Molecular Immunology, 2009, 47, 340-347.	2.2	19
146	The selfâ€association of the cyclotide kalata B2 in solution is guided by hydrophobic interactions. Biopolymers, 2013, 100, 453-460.	2.4	19
147	Structural diversity of arthropod venom toxins. Toxicon, 2018, 152, 46-56.	1.6	19
148	ampir: an R package for fast genome-wide prediction of antimicrobial peptides. Bioinformatics, 2021, 36, 5262-5263.	4.1	19
149	Design and therapeutic applications of cyclotides. Future Medicinal Chemistry, 2009, 1, 1613-1622.	2.3	18
150	Oxidative Folding of the Cystine Knot Motif in Cyclotide Proteins. Protein and Peptide Letters, 2005, 12, 147-152.	0.9	18
151	The Aromatic Head Group of Spider Toxin Polyamines Influences Toxicity to Cancer Cells. Toxins, 2017, 9, 346.	3.4	17
152	Structural Variants of a Liver Fluke Derived Granulin Peptide Potently Stimulate Wound Healing. Journal of Medicinal Chemistry, 2018, 61, 8746-8753.	6.4	17
153	Coral Venom Toxins. Frontiers in Ecology and Evolution, 2019, 7, .	2.2	17
154	Gastrointestinal Helminth Infection Improves Insulin Sensitivity, Decreases Systemic Inflammation, and Alters the Composition of Gut Microbiota in Distinct Mouse Models of Type 2 Diabetes. Frontiers in Endocrinology, 2020, 11, 606530.	3.5	17
155	Gly6 of kalata B1 is critical for the selective binding to phosphatidylethanolamine membranes. Biochimica Et Biophysica Acta - Biomembranes, 2012, 1818, 2354-2361.	2.6	16
156	Novel Inhibitor Cystine Knot Peptides from Momordica charantia. PLoS ONE, 2013, 8, e75334.	2.5	16
157	Î±-conotoxin MrIC is a biased agonist at Î±7 nicotinic acetylcholine receptors. Biochemical Pharmacology, 2015, 94, 155-163.	4.4	16
158	Discovery and structures of the cyclotides: novel macrocyclic peptides from plants. International Journal of Peptide Research and Therapeutics, 2001, 8, 119-128.	0.1	14
159	Structure and Activity of the Leaf-Specific Cyclotide vhl-2. Australian Journal of Chemistry, 2010, 63, 771.	0.9	14
160	Exploring the therapeutic potential of jellyfish venom. Future Medicinal Chemistry, 2014, 6, 1715-1724.	2.3	14
161	<i>In Vivo</i> Efficacy of Anuran Trypsin Inhibitory Peptides against Staphylococcal Skin Infection and the Impact of Peptide Cyclization. Antimicrobial Agents and Chemotherapy, 2015, 59, 2113-2121.	3.2	14
162	Transforming conotoxins into cyclotides: Backbone cyclization of Pâ€superfamily conotoxins. Biopolymers, 2015, 104, 682-692.	2.4	13

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163	Backbone Cyclization Turns a Venom Peptide into a Stable and Equipotent Ligand at Both Muscle and Neuronal Nicotinic Receptors. Journal of Medicinal Chemistry, 2020, 63, 12682-12692.	6.4	13
164	Plant derived cyclic peptides. Biochemical Society Transactions, 2021, 49, 1279-1285.	3.4	13
165	Diversity in the disulfide folding pathways of cystine knot peptides. International Journal of Peptide Research and Therapeutics, 2003, 10, 523-531.	0.1	12
166	Analysis of Cyclotides in Viola ignobilis by Nano Liquid Chromatography Fourier Transform Mass Spectrometry. Protein and Peptide Letters, 2011, 18, 747-752.	0.9	12
167	A C-Terminal Fragment of Chlorotoxin Retains Bioactivity and Inhibits Cell Migration. Frontiers in Pharmacology, 2019, 10, 250.	3.5	12
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