Norelle L Daly

List of Publications by Year in Descending Order

205 papers	11,020 citations	60 h-index	98 g-index
213 ext. papers	11,975 ext. citations	5.3 avg, IF	6.07 L-index

#	Paper	IF	Citations
205	A netrin domain-containing protein secreted by the human hookworm Necator americanus protects against CD4 T cell transfer colitis. *Translational Research*, **2021**, 232, 88-102	11	4
204	Plant derived cyclic peptides. *Biochemical Society Transactions*, **2021**, 49, 1279-1285	5.1	3
203	Development of novel frog-skin peptide scaffolds with selectivity towards melanocortin receptor subtypes. *Peptide Science*, **2021**, 113, e24209	3	
202	ampir: an R package for fast genome-wide prediction of antimicrobial peptides. *Bioinformatics*, **2021**, 36, 5262-5263	7.2	5
201	Synthesis, Structural and Pharmacological Characterizations of CIC, a Novel □Conotoxin with an Extended N-Terminal Tail. *Marine Drugs*, **2021**, 19,	6	2
200	IgE and IgG epitopes revealed on the major fish allergen Lat c 1. *Molecular Immunology*, **2021**, 131, 155-163	4.3	2
199	Voltage-Gated Sodium Channel Modulation by a New Spider Toxin Ssp1a Isolated From an Australian Theraphosid.. *Frontiers in Pharmacology*, **2021**, 12, 795455	5.6	
198	Synthesis, Pharmacological and Structural Characterization of Novel Conopressins from. *Marine Drugs*, **2020**, 18,	6	7
197	Revisiting Inflammatory Bowel Disease: Pathology, Treatments, Challenges and Emerging Therapeutics Including Drug Leads from Natural Products. *Journal of Clinical Medicine*, **2020**, 9,	5.1	36
196	Characterisation of a Novel A-Superfamily Conotoxin. *Biomedicines*, **2020**, 8,	4.8	5
195	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	8.3	5
194	Identification and Characterization of a Peptide from the Stony Coral. *Journal of Natural Products*, **2020**, 83, 3454-3463	4.9	1
193	The NK cell granule protein NKG7 regulates cytotoxic granule exocytosis and inflammation. *Nature Immunology*, **2020**, 21, 1205-1218	19.1	24
192	Small Molecules in the Venom of the Scorpion. *Biomedicines*, **2020**, 8,	4.8	2
191	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	5.7	3
190	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,	3.7	19
189	Venom Costs and Optimization in Scorpions. *Frontiers in Ecology and Evolution*, **2019**, 7,	3.7	21

188	A C-Terminal Fragment of Chlorotoxin Retains Bioactivity and Inhibits Cell Migration. *Frontiers in Pharmacology*, **2019**, 10, 250	5.6	6
187	Coral Venom Toxins. *Frontiers in Ecology and Evolution*, **2019**, 7,	3.7	7
186	Folding of granulin domains. *Peptide Science*, **2018**, 110, e24062	3	2
185	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	8.3	16
184	Structural diversity of arthropod venom toxins. *Toxicon*, **2018**, 152, 46-56	2.8	14
183	Venomics: A Mini-Review. *High-Throughput*, **2018**, 7,	4.3	26
182	Structural Characterisation of Predicted Helical Regions in the CfTX-1 Toxin. *Marine Drugs*, **2018**, 16,	6	5
181	Synthesis, Structure and Biological Activity of CIA and CIB, Two Conotoxins from the Predation-Evoked Venom of. *Toxins*, **2018**, 10,	4.9	11
180	Structure-activity relationship and conformational studies of the natural product cyclic depsipeptides YM-254890 and FR900359. *European Journal of Medicinal Chemistry*, **2018**, 156, 847-860	6.8	10
179	Approaches to Delineate Disulfide Connectivities in Pharmaceutical Peptides **2018**, 2021-2034		
178	Nuclear Magnetic Resonance seq (NMRseq): A New Approach to Peptide Sequence Tags. *Toxins*, **2018**, 10,	4.9	4
177	Engineering of an Anti-Inflammatory Peptide Based on the Disulfide-Rich Linaclotide Scaffold. *Biomedicines*, **2018**, 6,	4.8	2
176	Structural Variants of a Liver Fluke Derived Granulin Peptide Potently Stimulate Wound Healing. *Journal of Medicinal Chemistry*, **2018**, 61, 8746-8753	8.3	9
175	Development of a Potent Wound Healing Agent Based on the Liver Fluke Granulin Structural Fold. *Journal of Medicinal Chemistry*, **2017**, 60, 4258-4266	8.3	20
174	An engineered cyclic peptide alleviates symptoms of inflammation in a murine model of inflammatory bowel disease. *Journal of Biological Chemistry*, **2017**, 292, 10288-10294	5.4	28
173	Structure and Biological Activity of a Turripeptide from Unedogemmula bisaya Venom. *Biochemistry*, **2017**, 56, 6051-6060	3.2	5
172	Conotoxin MiXXVIIA from the Superfamily G2 Employs a Novel Cysteine Framework that Mimics Granulin and Displays Anti-Apoptotic Activity. *Angewandte Chemie*, **2017**, 129, 15169-15172	3.6	2
171	The Aromatic Head Group of Spider Toxin Polyamines Influences Toxicity to Cancer Cells. *Toxins*, **2017**, 9,	4.9	12

170	Approaches to Delineate Disulfide Connectivities in Pharmaceutical Peptides **2017**, 1-14		
169	Conotoxin MiXXVIIA from the Superfamily G2 Employs a Novel Cysteine Framework that Mimics Granulin and Displays Anti-Apoptotic Activity. *Angewandte Chemie - International Edition*, **2017**, 56, 14973-14976	16.4	14
168	The N-terminal pro-domain of the kalata B1 cyclotide precursor is intrinsically unstructured. *Biopolymers*, **2016**, 106, 825-833	2.2	6
167	Dual-targeting anti-angiogenic cyclic peptides as potential drug leads for cancer therapy. *Scientific Reports*, **2016**, 6, 35347	4.9	53
166	Disulfide Bridges: Bringing Together Frustrated Structure in a Bioactive Peptide. *Biophysical Journal*, **2016**, 110, 1744-1752	2.9	20
165	Identifying the immunomodulatory components of helminths. *Parasite Immunology*, **2015**, 37, 293-303	2.2	44
164	Conotoxin MrIC is a biased agonist at nicotinic acetylcholine receptors. *Biochemical Pharmacology*, **2015**, 94, 155-63	6	12
163	Design of substrate-based BCR-ABL kinase inhibitors using the cyclotide scaffold. *Scientific Reports*, **2015**, 5, 12974	4.9	50
162	Cyclic thrombospondin-1 mimetics: grafting of a thrombospondin sequence into circular disulfide-rich frameworks to inhibit endothelial cell migration. *Bioscience Reports*, **2015**, 35,	4.1	32
161	Transforming conotoxins into cyclotides: Backbone cyclization of P-superfamily conotoxins. *Biopolymers*, **2015**, 104, 682-92	2.2	10
160	A defined helix in the bifunctional O-glycosylated natriuretic peptide TcNPa from the venom of Tropidechis carinatus. *Angewandte Chemie - International Edition*, **2015**, 54, 4828-31	16.4	6
159	Structural Studies of Cyclotides. *Advances in Botanical Research*, **2015**, 76, 155-186	2.2	
158	Efficient backbone cyclization of linear peptides by a recombinant asparaginyl endopeptidase. *Nature Communications*, **2015**, 6, 10199	17.4	143
157	In vivo efficacy of anuran trypsin inhibitory peptides against staphylococcal skin infection and the impact of peptide cyclization. *Antimicrobial Agents and Chemotherapy*, **2015**, 59, 2113-21	5.9	12
156	Solution structure, aggregation behavior, and flexibility of human relaxin-2. *ACS Chemical Biology*, **2015**, 10, 891-900	4.9	18
155	Carcinogenic Parasite Secretes Growth Factor That Accelerates Wound Healing and Potentially Promotes Neoplasia. *PLoS Pathogens*, **2015**, 11, e1005209	7.6	62
154	The C-terminal propeptide of a plant defensin confers cytoprotective and subcellular targeting functions. *BMC Plant Biology*, **2014**, 14, 41	5.3	35
153	Effects of arginine 10 to lysine substitution on conotoxin CVIE and CVIF block of Cav2.2 channels. *British Journal of Pharmacology*, **2014**, 171, 3313-27	8.6	5

152	A tarantula-venom peptide antagonizes the TRPA1 nociceptor ion channel by binding to the S1-S4 gating domain. *Current Biology*, **2014**, 24, 473-83	6.3	50
151	Holocyclotoxin-1, a cystine knot toxin from Ixodes holocyclus. *Toxicon*, **2014**, 90, 308-17	2.8	20
150	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	5.4	25
149	Exploring the therapeutic potential of jellyfish venom. *Future Medicinal Chemistry*, **2014**, 6, 1715-24	4.1	10
148	Lipid core peptide targeting the cathepsin D hemoglobinase of Schistosoma mansoni as a component of a schistosomiasis vaccine. *Human Vaccines and Immunotherapeutics*, **2014**, 10, 399-409	4.4	20
147	Design and synthesis of truncated EGF-A peptides that restore LDL-R recycling in the presence of PCSK9 in vitro. *Chemistry and Biology*, **2014**, 21, 284-94		49
146	Characterizing circular peptides in mixtures: sequence fragment assembly of cyclotides from a violet plant by MALDI-TOF/TOF mass spectrometry. *Amino Acids*, **2013**, 44, 581-95	3.5	36
145	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, 21183-8	11.5	105
144	High-affinity cyclic peptide matriptase inhibitors. *Journal of Biological Chemistry*, **2013**, 288, 13885-96	5.4	110
143	Vicinal disulfide constrained cyclic peptidomimetics: a turn mimetic scaffold targeting the norepinephrine transporter. *Angewandte Chemie - International Edition*, **2013**, 52, 12020-3	16.4	30
142	The cyclic cystine ladder in θ-defensins is important for structure and stability, but not antibacterial activity. *Journal of Biological Chemistry*, **2013**, 288, 10830-40	5.4	58
141	Isolation and characterization of α-conotoxin LsIA with potent activity at nicotinic acetylcholine receptors. *Biochemical Pharmacology*, **2013**, 86, 791-9	6	42
140	Anthelminthic activity of the cyclotides (kalata B1 and B2) against schistosome parasites. *Biopolymers*, **2013**, 100, 461-70	2.2	19
139	Cyclization of the antimicrobial peptide gomesin with native chemical ligation: influences on stability and bioactivity. *ChemBioChem*, **2013**, 14, 617-24	3.8	47
138	A new family of cystine knot peptides from the seeds of Momordica cochinchinensis. *Peptides*, **2013**, 39, 29-35	3.8	19
137	Correction to Chemical Re-engineering of Chlorotoxin Improves Bioconjugation Properties for Tumor Imaging and Targeted Therapy. *Journal of Medicinal Chemistry*, **2013**, 56, 9807	8.3	0
136	The self-association of the cyclotide kalata B2 in solution is guided by hydrophobic interactions. *Biopolymers*, **2013**, 100, 453-60	2.2	14
135	Structural insights into the role of the cyclic backbone in a squash trypsin inhibitor. *Journal of Biological Chemistry*, **2013**, 288, 36141-8	5.4	34

134	Vicinal Disulfide Constrained Cyclic Peptidomimetics: a Turn Mimetic Scaffold Targeting the Norepinephrine Transporter. *Angewandte Chemie*, **2013**, 125, 12242-12245	3.6	9
133	Novel inhibitor cystine knot peptides from Momordica charantia. *PLoS ONE*, **2013**, 8, e75334	3.7	12
132	Isolation of an orally active insecticidal toxin from the venom of an Australian tarantula. *PLoS ONE*, **2013**, 8, e73136	3.7	44
131	RegIIA: an α4/7-conotoxin from the venom of Conus regius that potently blocks α3β4 nAChRs. *Biochemical Pharmacology*, **2012**, 83, 419-26	6	40
130	Cyclization of conotoxins to improve their biopharmaceutical properties. *Toxicon*, **2012**, 59, 446-55	2.8	56
129	Design, synthesis, structural and functional characterization of novel melanocortin agonists based on the cyclotide kalata B1. *Journal of Biological Chemistry*, **2012**, 287, 40493-501	5.4	78
128	The θ-defensin salt-bridge induces backbone stability to facilitate folding and confer proteolytic resistance. *Amino Acids*, **2012**, 43, 1471-83	3.5	23
127	Quantification of small cyclic disulfide-rich peptides. *Biopolymers*, **2012**, 98, 518-24	2.2	19
126	Phosphatidylethanolamine binding is a conserved feature of cyclotide-membrane interactions. *Journal of Biological Chemistry*, **2012**, 287, 33629-43	5.4	94
125	Gly(6) of kalata B1 is critical for the selective binding to phosphatidylethanolamine membranes. *Biochimica Et Biophysica Acta - Biomembranes*, **2012**, 1818, 2354-61	3.8	13
124	Cyclic peptides arising by evolutionary parallelism via asparaginyl-endopeptidase-mediated biosynthesis. *Plant Cell*, **2012**, 24, 2765-78	11.6	106
123	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, 345-55	4.9	130
122	ω-Conotoxin ImI incorporating stable cystathionine bridges maintains full potency and identical three-dimensional structure. *Journal of the American Chemical Society*, **2011**, 133, 15866-9	16.4	79
121	Stabilization of ω-conotoxin AuIB: influences of disulfide connectivity and backbone cyclization. *Antioxidants and Redox Signaling*, **2011**, 14, 87-95	8.4	34
120	Engineering pro-angiogenic peptides using stable, disulfide-rich cyclic scaffolds. *Blood*, **2011**, 118, 6709-17	9.2	169
119	Cyclotides: a patent review. *Expert Opinion on Therapeutic Patents*, **2011**, 21, 1657-72	6.8	22
118	Isolation and characterization of cytotoxic cyclotides from Viola philippica. *Peptides*, **2011**, 32, 1719-23	3.8	48
117	Chemical re-engineering of chlorotoxin improves bioconjugation properties for tumor imaging and targeted therapy. *Journal of Medicinal Chemistry*, **2011**, 54, 782-7	8.3	75

116	Effects of cyclization on stability, structure, and activity of α-conotoxin RgIA at the α9α10 nicotinic acetylcholine receptor and GABA(B) receptor. *Journal of Medicinal Chemistry*, **2011**, 54, 6984-92	8.3	49
115	Analysis of cyclotides in Viola ignobilis by Nano liquid chromatography fourier transform mass spectrometry. *Protein and Peptide Letters*, **2011**, 18, 747-52	1.9	8
114	Albumins and their processing machinery are hijacked for cyclic peptides in sunflower. *Nature Chemical Biology*, **2011**, 7, 257-9	11.7	118
113	Structure of catalytic domain of Matriptase in complex with Sunflower trypsin inhibitor-1. *BMC Structural Biology*, **2011**, 11, 30	2.7	44
112	NMR and protein structure in drug design: application to cyclotides and conotoxins. *European Biophysics Journal*, **2011**, 40, 359-70	1.9	28
111	Total Synthesis of the Analgesic Conotoxin MrVIB through Selenocysteine-Assisted Folding. *Angewandte Chemie*, **2011**, 123, 6657-6659	3.6	17
110	Total synthesis of the analgesic conotoxin MrVIB through selenocysteine-assisted folding. *Angewandte Chemie - International Edition*, **2011**, 50, 6527-9	16.4	79
109	A Synthetic mirror image of kalata B1 reveals that cyclotide activity is independent of a protein receptor. *ChemBioChem*, **2011**, 12, 2456-62	3.8	40
108	Bioactive cystine knot proteins. *Current Opinion in Chemical Biology*, **2011**, 15, 362-8	9.7	128
107	Engineering of conotoxins for the treatment of pain. *Current Pharmaceutical Design*, **2011**, 17, 4242-53	3.3	39
106	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, 10127-32	11.5	116
105	Identification and characterization of a new family of cell-penetrating peptides: cyclic cell-penetrating peptides. *Journal of Biological Chemistry*, **2011**, 286, 36932-43	5.4	135
104	Decoding the membrane activity of the cyclotide kalata B1: the importance of phosphatidylethanolamine phospholipids and lipid organization on hemolytic and anti-HIV activities. *Journal of Biological Chemistry*, **2011**, 286, 24231-41	5.4	122
103	Structure and activity of alpha-conotoxin PeIA at nicotinic acetylcholine receptor subtypes and GABA(B) receptor-coupled N-type calcium channels. *Journal of Biological Chemistry*, **2011**, 286, 10233-7	5.4	33
102	Cystine Knot Folding in Cyclotides **2011**, 43-61		3
101	Atypical alpha-conotoxin LtIA from Conus litteratus targets a novel microsite of the alpha3beta2 nicotinic receptor. *Journal of Biological Chemistry*, **2010**, 285, 12355-66	5.4	46
100	Isolation, sequencing, and structure-activity relationships of cyclotides. *Journal of Natural Products*, **2010**, 73, 1610-22	4.9	55
99	Solving the alpha-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, 3514-22	16.4	114

98	Isolation and characterization of cytotoxic cyclotides from Viola tricolor. *Peptides*, **2010**, 31, 1434-40	3.8	48
97	Structure and Activity of the Leaf-Specific Cyclotide vhl-2. *Australian Journal of Chemistry*, **2010**, 63, 771	1.2	12
96	Cyclotides: macrocyclic peptides with applications in drug design and agriculture. *Cellular and Molecular Life Sciences*, **2010**, 67, 9-16	10.3	68
95	Isolation and Characterization of Bioactive Cyclotides from Viola labridorica. *Helvetica Chimica Acta*, **2010**, 93, 2287-2295	2	18
94	Chemical synthesis and structure of the prokineticin Bv8. *ChemBioChem*, **2010**, 11, 1882-8	3.8	18
93	Structural and biochemical characteristics of the cyclotide kalata B5 from Oldenlandia affinis. *Biopolymers*, **2010**, 94, 647-58	2.2	22
92	Inhibition of neuronal nicotinic acetylcholine receptor subtypes by alpha-Conotoxin GID and analogues. *Journal of Biological Chemistry*, **2009**, 284, 4944-51	5.4	34
91	The biological activity of the prototypic cyclotide kalata b1 is modulated by the formation of multimeric pores. *Journal of Biological Chemistry*, **2009**, 284, 20699-707	5.4	128
90	Dissecting the oxidative folding of circular cystine knot miniproteins. *Antioxidants and Redox Signaling*, **2009**, 11, 971-80	8.4	44
89	Structural studies of conotoxins. *IUBMB Life*, **2009**, 61, 144-50	4.7	44
88	Structural properties of relaxin chimeras. *Annals of the New York Academy of Sciences*, **2009**, 1160, 27-30	6.5	3
87	Structural insights into the function of relaxins. *Annals of the New York Academy of Sciences*, **2009**, 1160, 20-6	6.5	8
86	Discovery, structure and biological activities of cyclotides. *Advanced Drug Delivery Reviews*, **2009**, 61, 918-30	18.5	135
85	Isolation and characterization of peptides from Momordica cochinchinensis seeds. *Journal of Natural Products*, **2009**, 72, 1453-8	4.9	37
84	Beta-arrestin 2 is required for complement C1q expression in macrophages and constrains factor-independent survival. *Molecular Immunology*, **2009**, 47, 340-7	4.3	15
83	NMR of Peptide Toxins. *Annual Reports on NMR Spectroscopy*, **2009**, 89-147	1.7	4
82	Design and therapeutic applications of cyclotides. *Future Medicinal Chemistry*, **2009**, 1, 1613-22	4.1	17
81	Structure of human insulin-like peptide 5 and characterization of conserved hydrogen bonds and electrostatic interactions within the relaxin framework. *Biochemical Journal*, **2009**, 419, 619-27	3.8	37

80	The discovery and development of a natural combinatorial peptide template: the cyclotides. *Advances in Experimental Medicine and Biology*, **2009**, 611, 477-8	3.6	3
79	Retrocyclin-2: a potent anti-HIV theta-defensin that forms a cyclic cystine ladder structural motif. *Advances in Experimental Medicine and Biology*, **2009**, 611, 577-8	3.6	4
78	The three-dimensional structure of the analgesic alpha-conotoxin, RgIA. *FEBS Letters*, **2008**, 582, 597-602	3.8	28
77	The structure of a two-disulfide intermediate assists in elucidating the oxidative folding pathway of a cyclic cystine knot protein. *Structure*, **2008**, 16, 842-51	5.2	34
76	Molecular engineering of conotoxins: the importance of loop size to alpha-conotoxin structure and function. *Journal of Medicinal Chemistry*, **2008**, 51, 5575-84	8.3	28
75	Engineering stabilized vascular endothelial growth factor-A antagonists: synthesis, structural characterization, and bioactivity of grafted analogues of cyclotides. *Journal of Medicinal Chemistry*, **2008**, 51, 7697-704	8.3	152
74	Tyrosine-rich conopeptides affect voltage-gated K+ channels. *Journal of Biological Chemistry*, **2008**, 283, 23026-32	5.4	19
73	Alanine scanning mutagenesis of the prototypic cyclotide reveals a cluster of residues essential for bioactivity. *Journal of Biological Chemistry*, **2008**, 283, 9805-13	5.4	133
72	Structure of the R3/I5 chimeric relaxin peptide, a selective GPCR135 and GPCR142 agonist. *Journal of Biological Chemistry*, **2008**, 283, 23811-8	5.4	37
71	Conopressin-T from Conus tulipa reveals an antagonist switch in vasopressin-like peptides. *Journal of Biological Chemistry*, **2008**, 283, 7100-8	5.4	66
70	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, 17287-97	5.4	76
69	Potential therapeutic applications of the cyclotides and related cystine knot mini-proteins. *Expert Opinion on Investigational Drugs*, **2007**, 16, 595-604	5.9	77
68	Retrocyclin-2: structural analysis of a potent anti-HIV theta-defensin. *Biochemistry*, **2007**, 46, 9920-8	3.2	41
67	The cyclotide fingerprint in oldenlandia affinis: elucidation of chemically modified, linear and novel macrocyclic peptides. *ChemBioChem*, **2007**, 8, 1001-11	3.8	96
66	Structure of alpha-conotoxin BuIA: influences of disulfide connectivity on structural dynamics. *BMC Structural Biology*, **2007**, 7, 28	2.7	35
65	The cyclic cystine knot miniprotein MCoTI-II is internalized into cells by macropinocytosis. *International Journal of Biochemistry and Cell Biology*, **2007**, 39, 2252-64	5.6	89
64	NMR as a tool for elucidating the structures of circular and knotted proteins. *Molecular BioSystems*, **2007**, 3, 257-65		41
63	The chemistry and biology of cyclotides. *Current Opinion in Drug Discovery & Development*, **2007**, 10, 176-84		21

62	The cyclotide family of circular miniproteins: nature's combinatorial peptide template. *Biopolymers*, **2006**, 84, 250-66	2.2	129
61	NMR of conotoxins: structural features and an analysis of chemical shifts of post-translationally modified amino acids. *Magnetic Resonance in Chemistry*, **2006**, 44 Spec No, S41-50	2.1	41
60	Structural and functional characterization of the conserved salt bridge in mammalian paneth cell alpha-defensins: solution structures of mouse CRYPTDIN-4 and (E15D)-CRYPTDIN-4. *Journal of Biological Chemistry*, **2006**, 281, 28068-78	5.4	36
59	Alpha-selenoconotoxins, a new class of potent alpha7 neuronal nicotinic receptor antagonists. *Journal of Biological Chemistry*, **2006**, 281, 14136-43	5.4	155
58	Solution structure and novel insights into the determinants of the receptor specificity of human relaxin-3. *Journal of Biological Chemistry*, **2006**, 281, 5845-51	5.4	79
57	Knots in rings. The circular knotted protein Momordica cochinchinensis trypsin inhibitor-II folds via a stable two-disulfide intermediate. *Journal of Biological Chemistry*, **2006**, 281, 8224-32	5.4	41
56	The absolute structural requirement for a proline in the P3 position of Bowman-Birk protease inhibitors is surmounted in the minimized SFTI-1 scaffold. *Journal of Biological Chemistry*, **2006**, 281, 23668-75	5.4	53
55	Solution structure and characterization of the LGR8 receptor binding surface of insulin-like peptide 3. *Journal of Biological Chemistry*, **2006**, 281, 28287-95	5.4	61
54	Theta-defensins prevent HIV-1 Env-mediated fusion by binding gp41 and blocking 6-helix bundle formation. *Journal of Biological Chemistry*, **2006**, 281, 18787-92	5.4	109
53	A novel conotoxin inhibitor of Kv1.6 channel and nAChR subtypes defines a new superfamily of conotoxins. *Biochemistry*, **2006**, 45, 8331-40	3.2	76
52	Chemical synthesis and structure elucidation of bovine kappa-casein (1-44). *Biochemical and Biophysical Research Communications*, **2006**, 340, 1098-103	3.4	9
51	Discovery and characterization of a linear cyclotide from Viola odorata: implications for the processing of circular proteins. *Journal of Molecular Biology*, **2006**, 357, 1522-35	6.5	95
50	Cyclic MrIA: a stable and potent cyclic conotoxin with a novel topological fold that targets the norepinephrine transporter. *Journal of Medicinal Chemistry*, **2006**, 49, 6561-8	8.3	90
49	Backbone Cyclization Improves the Enzymatic Stability of Conotoxin, MrIA, whilst Maintaining its Structure and NET-Modulating Activity **2006**, 641-642		
48	Structural plasticity of the cyclic-cystine-knot framework: implications for biological activity and drug design. *Biochemical Journal*, **2006**, 394, 85-93	3.8	147
47	Kalata B8, a novel antiviral circular protein, exhibits conformational flexibility in the cystine knot motif. *Biochemical Journal*, **2006**, 393, 619-26	3.8	92
46	Chemical synthesis and biosynthesis of the cyclotide family of circular proteins. *IUBMB Life*, **2006**, 58, 515-24	4.7	63
45	The cyclotides and related macrocyclic peptides as scaffolds in drug design. *Current Opinion in Drug Discovery & Development*, **2006**, 9, 251-60		59

44	Isolation, solution structure, and insecticidal activity of kalata B2, a circular protein with a twist: do MBius strips exist in nature?. *Biochemistry*, **2005**, 44, 851-60	3.2	199
43	Solution structure of chi-conopeptide MrIA, a modulator of the human norepinephrine transporter. *Biopolymers*, **2005**, 80, 815-23	2.2	38
42	Structure of Circulin B and Implications for Antimicrobial Activity of the Cyclotides. *International Journal of Peptide Research and Therapeutics*, **2005**, 11, 99-106	2.1	27
41	Isolation and characterization of novel cyclotides from Viola hederaceae: solution structure and anti-HIV activity of vhl-1, a leaf-specific expressed cyclotide. *Journal of Biological Chemistry*, **2005**, 280, 22395-405	5.4	101
40	Engineering stable peptide toxins by means of backbone cyclization: stabilization of the alpha-conotoxin MII. *Proceedings of the National Academy of Sciences of the United States of America* , **2005**, 102, 13767-72	11.5	200
39	Oxidative folding of the cystine knot motif in cyclotide proteins. *Protein and Peptide Letters*, **2005**, 12, 147-52	1.9	17
38	Structures of muO-conotoxins from Conus marmoreus. I nhibitors of tetrodotoxin (TTX)-sensitive and TTX-resistant sodium channels in mammalian sensory neurons. *Journal of Biological Chemistry*, **2004**, 279, 25774-82	5.4	72
37	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, 562-70	5.4	51
36	Conserved structural and sequence elements implicated in the processing of gene-encoded circular proteins. *Journal of Biological Chemistry*, **2004**, 279, 46858-67	5.4	107
35	Structure-activity relationships of alpha-conotoxins targeting neuronal nicotinic acetylcholine receptors. *FEBS Journal*, **2004**, 271, 2320-6		56
34	Solution structure of the cyclotide palicourein: implications for the development of a pharmaceutical framework. *Structure*, **2004**, 12, 85-94	5.2	36
33	The role of the cyclic peptide backbone in the anti-HIV activity of the cyclotide kalata B1. *FEBS Letters*, **2004**, 574, 69-72	3.8	91
32	Capped acyclic permutants of the circular protein kalata B1. *FEBS Letters*, **2004**, 577, 399-402	3.8	24
31	Discovery, structure and biological activities of the cyclotides. *Current Protein and Peptide Science*, **2004**, 5, 297-315	2.8	156
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