Samuel H Gellman

List of Publications by Year
in descending order

295 papers	32,446 citations	3726 89 h-index	4641 170 g-index
314 all docs	314 docs citations	314 times ranked	18324 citing authors

#	Article	IF	Citations
1	Crystal structure of the Î²2 adrenergic receptorâ€“Gs protein complex. Nature, 2011, 477, 549-555.	13.7	2,712
2	Foldamers:â€‰ A Manifesto. Accounts of Chemical Research, 1998, 31, 173-180.	7.6	2,390
3	Î²-Peptides:â€‰ From Structure to Function. Chemical Reviews, 2001, 101, 3219-3232.	23.0	1,772
4	Structure of a nanobody-stabilized active state of the Î²2 adrenoceptor. Nature, 2011, 469, 175-180.	13.7	1,523
5	Structure and function of an irreversible agonist-Î²2 adrenoceptor complex. Nature, 2011, 469, 236-240.	13.7	741
6	Î²-Peptide Foldamers:Â Robust Helix Formation in a New Family of Î²-Amino Acid Oligomers. Journal of the American Chemical Society, 1996, 118, 13071-13072.	6.6	656
7	Foldamers with Heterogeneous Backbones. Accounts of Chemical Research, 2008, 41, 1399-1408.	7.6	646
8	Non-haemolytic Î²-amino-acid oligomers. Nature, 2000, 404, 565-565.	13.7	621
9	Residue-based control of helix shape in Î²-peptide oligomers. Nature, 1997, 387, 381-384.	13.7	609
10	Mimicry of Antimicrobial Host-Defense Peptides by Random Copolymers. Journal of the American Chemical Society, 2007, 129, 15474-15476.	6.6	403
11	Maltoseâ€“neopentyl glycol (MNG) amphiphiles for solubilization, stabilization and crystallization of membrane proteins. Nature Methods, 2010, 7, 1003-1008.	9.0	397
12	Mimicry of Host-Defense Peptides by Unnatural Oligomers:â€‰ Antimicrobial Î²-Peptides. Journal of the American Chemical Society, 2002, 124, 7324-7330.	6.6	373
13	Minimal model systems for Î²-sheet secondary structure in proteins. Current Opinion in Chemical Biology, 1998, 2, 717-725.	2.8	339
14	Structureâ˜'Activity Studies of 14-Helical Antimicrobial Î²-Peptides:Â Probing the Relationship between Conformational Stability and Antimicrobial Potency. Journal of the American Chemical Society, 2002, 124, 12774-12785.	6.6	269
15	Rules for Antiparallel Î²-Sheet Design:Âd-Pro-Gly Is Superior tol-Asn-Gly for Î²-Hairpin Nucleation1. Journal of the American Chemical Society, 1998, 120, 4236-4237.	6.6	264
16	Stereochemical Requirements for Î²-Hairpin Formation:Â Model Studies with Four-Residue Peptides and Depsipeptides. Journal of the American Chemical Society, 1996, 118, 6975-6985.	6.6	259
17	Structural and biological mimicry of protein surface recognition by Î±/Î²-peptide foldamers. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 14751-14756.	3.3	250
18	Diphenylprolinol Methyl Ether:â€‰ A Highly Enantioselective Catalyst for Michael Addition of Aldehydes to Simple Enones. Organic Letters, 2005, 7, 4253-4256.	2.4	248

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19	Insights on Î²-Hairpin Stability in Aqueous Solution from Peptides with Enforced Type Iâ€˜ and Type IIâ€˜ Î²-Turns. Journal of the American Chemical Society, 1997, 119, 2303-2304.	6.6	247
20	Intramolecular Hydrogen Bonding in Derivatives of .beta.-Alanine and .gamma.-Amino Butyric Acid; Model Studies for the Folding of Unnatural Polypeptide Backbones. Journal of the American Chemical Society, 1994, 116, 1054-1062.	6.6	243
21	Translocation of a Î²-Peptide Across Cell Membranes. Journal of the American Chemical Society, 2002, 124, 368-369.	6.6	226
22	Structureâ˜'activity Relationships among Random Nylon-3 Copolymers That Mimic Antibacterial Host-Defense Peptides. Journal of the American Chemical Society, 2009, 131, 9735-9745.	6.6	225
23	Synthesis and Structural Characterization of Helix-Forming Î²-Peptides:â€‰ trans-2-Aminocyclopentanecarboxylic Acid Oligomers. Journal of the American Chemical Society, 1999, 121, 7574-7581.	6.6	222
24	Unexpected Relationships between Structure and Function in Î±,Î²-Peptides:â€‰ Antimicrobial Foldamers with Heterogeneous Backbones. Journal of the American Chemical Society, 2004, 126, 6848-6849.	6.6	213
25	Artificial Chaperone-Assisted Refolding of Denatured-Reduced Lysozyme:Â Modulation of the Competition between Renaturation and Aggregationâ€. Biochemistry, 1996, 35, 15760-15771.	1.2	212
26	Interplay among Folding, Sequence, and Lipophilicity in the Antibacterial and Hemolytic Activities of Î±/Î²-Peptides. Journal of the American Chemical Society, 2007, 129, 417-428.	6.6	212
27	Catalytic Transamidation under Moderate Conditions. Journal of the American Chemical Society, 2003, 125, 3422-3423.	6.6	207
28	Cytoplasmic and Nuclear Delivery of a TAT-derived Peptide and a Î²-Peptide after Endocytic Uptake into HeLa Cells. Journal of Biological Chemistry, 2003, 278, 50188-50194.	1.6	206
29	Two Helical Conformations from a Single Foldamer Backbone:â€œSplit Personalityâ€•in ShortÎ±/Î²-Peptides. Angewandte Chemie - International Edition, 2004, 43, 505-510.	7.2	206
30	Enantioselective Organocatalytic Michael Additions of Aldehydes to Enones with Imidazolidinones:Â Cocatalyst Effects and Evidence for an Enamine Intermediate. Journal of the American Chemical Society, 2005, 127, 11598-11599.	6.6	201
31	Use of a Designed Triple-Stranded Antiparallel Î²-Sheet To Probe Î²-Sheet Cooperativity in Aqueous Solution. Journal of the American Chemical Society, 1998, 120, 4869-4870.	6.6	197
32	Formation of Short, Stable Helices in Aqueous Solution by Î²-Amino Acid Hexamers. Journal of the American Chemical Society, 1999, 121, 2309-2310.	6.6	194
33	Synthesis and Characterization oftrans-2-Aminocyclohexanecarboxylic Acid Oligomers:Â An Unnatural Helical Secondary Structure and Implications for Î²-Peptide Tertiary Structure. Journal of the American Chemical Society, 1999, 121, 6206-6212.	6.6	193
34	Helix Bundle Quaternary Structure from Î±/Î²-Peptide Foldamers. Journal of the American Chemical Society, 2007, 129, 4178-4180.	6.6	191
35	Catalytic Transamidation Reactions Compatible with Tertiary Amide Metathesis under Ambient Conditions. Journal of the American Chemical Society, 2009, 131, 10003-10008.	6.6	187
36	Antiparallel Sheet Formation in Î²-Peptide Foldamers:Â Effects of Î²-Amino Acid Substitution on Conformational Preference1. Journal of the American Chemical Society, 1997, 119, 11719-11720.	6.6	182

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37	PTH receptor-1 signallingâ€"mechanistic insights and therapeutic prospects. Nature Reviews Endocrinology, 2015, 11, 712-724.	4.3	179
38	Tuning the Biological Activity Profile of Antibacterial Polymers via Subunit Substitution Pattern. Journal of the American Chemical Society, 2014, 136, 4410-4418.	6.6	175
39	Targeting proteinâ€“protein interactions: Lessons from p53/MDM2. Biopolymers, 2007, 88, 657-686.	1.2	170
40	Enantioselective Organocatalytic Aminomethylation of Aldehydes:â€‰ A Role for Ionic Interactions and Efficient Access to Î²2-Amino Acids. Journal of the American Chemical Society, 2006, 128, 6804-6805.	6.6	167
41	Chimeric (Î±/Î² + Î±)-Peptide Ligands for the BH3-Recognition Cleft of Bcl-xL:â€‰ Critical Role of the Molecular Scaffold in Protein Surface Recognition. Journal of the American Chemical Society, 2005, 127, 11966-11968.	6.6	166
42	Enantioselective Organocatalytic Michael Addition of Aldehydes to Nitroethylene: Efficient Access to Î³²-Amino Acids. Journal of the American Chemical Society, 2008, 130, 5608-5609.	6.6	166
43	Modulation of hydrophobic interactions by proximally immobilized ions. Nature, 2015, 517, 347-350.	13.7	163
44	(Î±/Î²+Î±)-Peptide Antagonists of BH3 Domain/Bcl-xL Recognition:â€‰ Toward General Strategies for Foldamer-Based Inhibition of Proteinâˆ'Protein Interactions. Journal of the American Chemical Society, 2007, 129, 139-154.	6.6	160
45	Dual Mechanism of Bacterial Lethality for a Cationic Sequence-Random Copolymer that Mimics Host-Defense Antimicrobial Peptides. Journal of Molecular Biology, 2008, 379, 38-50.	2.0	158
46	Intranasal fusion inhibitory lipopeptide prevents direct-contact SARS-CoV-2 transmission in ferrets. Science, 2021, 371, 1379-1382.	6.0	158
47	Biocidal Activity of Polystyrenes That Are Cationic by Virtue of Protonation. Organic Letters, 2004, 6, 557-560.	2.4	151
48	A Rationally Designed Aldolase Foldamer. Angewandte Chemie - International Edition, 2009, 48, 922-925.	7.2	150
49	Antifungal Activity from 14-Helical Î²-Peptides. Journal of the American Chemical Society, 2006, 128, 12630-12631.	6.6	145
50	Evaluation of Diverse Î±/Î²-Backbone Patterns for Functional Î±-Helix Mimicry: Analogues of the Bim BH3 Domain. Journal of the American Chemical Society, 2012, 134, 315-323.	6.6	144
51	Highâ€Resolution Structural Characterization of a Helical Î±/Î²â€Peptide Foldamer Bound to the Antiâ€Apoptotic Protein Bclâ€x_L. Angewandte Chemie - International Edition, 2009, 48, 4318-4322.	7.2	143
52	A Î²-Peptide Reverse Turn that Promotes Hairpin Formation. Journal of the American Chemical Society, 1998, 120, 10555-10556.	6.6	142
53	Interstrand Side Chainâˆ'Side Chain Interactions in a Designed Î²-Hairpin:â€‰ Significance of Both Lateral and Diagonal Pairings. Journal of the American Chemical Society, 2001, 123, 8667-8677.	6.6	141
54	12-Helix Formation in Aqueous Solution with Short Î²-Peptides Containing Pyrrolidine-Based Residues. Journal of the American Chemical Society, 2000, 122, 4821-4822.	6.6	140

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55	Sequenceâ€Based Design of Î±/Î²â€Peptide Foldamers That Mimic BH3 Domains. Angewandte Chemie - International Edition, 2008, 47, 2853-2856.	7.2	135
56	Stereospecific Synthesis of Conformationally Constrained Î³-Amino Acids: New Foldamer Building Blocks That Support Helical Secondary Structure. Journal of the American Chemical Society, 2009, 131, 16018-16020.	6.6	135
57	Toward Î²-Peptide Tertiary Structure:â€‰ Self-Association of an Amphiphilic 14-Helix in Aqueous Solution. Organic Letters, 2001, 3, 3963-3966.	2.4	129
58	A DesignedÎ²-Hairpin Containing a Natural Hydrophobic Cluster. Angewandte Chemie - International Edition, 2000, 39, 2330-2333.	7.2	128
59	Stereochemical Control of Hairpin Formation in Î²-Peptides Containing Dinipecotic Acid Reverse Turn Segments. Journal of the American Chemical Society, 2000, 122, 3995-4004.	6.6	128
60	Nylon-3 Polymers with Selective Antifungal Activity. Journal of the American Chemical Society, 2013, 135, 5270-5273.	6.6	127
61	"Mirror image" reverse turns promote .beta.-hairpin formation. Journal of the American Chemical Society, 1994, 116, 4105-4106.	6.6	123
62	NMR-Based Quantification of Î²-Sheet Populations in Aqueous Solution through Use of Reference Peptides for the Folded and Unfolded States. Journal of the American Chemical Society, 1999, 121, 11577-11578.	6.6	123
63	A New Class of Amphiphiles Bearing Rigid Hydrophobic Groups for Solubilization and Stabilization of Membrane Proteins. Chemistry - A European Journal, 2012, 18, 9485-9490.	1.7	120
64	Residue Requirements for Helical Folding in Short Î±/Î²-Peptides:Â Crystallographic Characterization of the 11-Helix in an Optimized Sequence. Journal of the American Chemical Society, 2005, 127, 13130-13131.	6.6	119
65	Solution Conformations of Helix-Forming Î²-Amino Acid Homooligomers. Journal of the American Chemical Society, 2000, 122, 2711-2718.	6.6	118
66	Protein Prosthesis:â€‰ A Semisynthetic Enzyme with a Î²-Peptide Reverse Turn. Journal of the American Chemical Society, 2002, 124, 8522-8523.	6.6	117
67	Environment-Independent 14-Helix Formation in Short Î²-Peptides:Â Striking a Balance between Shape Control and Functional Diversity. Journal of the American Chemical Society, 2003, 125, 5592-5593.	6.6	115
68	Interplay among side chain sequence, backbone composition, and residue rigidification in polypeptide folding and assembly. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 9151-9156.	3.3	115
69	Structureâ€"Activity Relationships among Antifungal Nylon-3 Polymers: Identification of Materials Active against Drug-Resistant Strains of <i>Candida albicans</i>. Journal of the American Chemical Society, 2014, 136, 4333-4342.	6.6	113
70	Analysis of the factors that stabilize a designed two-stranded antiparallel Î²-sheet. Protein Science, 2002, 11, 1492-1505.	3.1	111
71	Backbone modification of a polypeptide drug alters duration of action in vivo. Nature Biotechnology, 2014, 32, 653-655.	9.4	103
72	Effects of Conformational Stability and Geometry of Guanidinium Display on Cell Entry by Î²-Peptides. Journal of the American Chemical Society, 2005, 127, 3686-3687.	6.6	101

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73	Î±/Î²-Peptide Foldamers Targeting Intracellular Proteinâ€"Protein Interactions with Activity in Living Cells. Journal of the American Chemical Society, 2015, 137, 11365-11375.	6.6	101
74	Ketones from Nickelâ€Catalyzed Decarboxylative, Nonâ€Symmetric Crossâ€Electrophile Coupling of Carboxylic Acid Esters. Angewandte Chemie - International Edition, 2019, 58, 12081-12085.	7.2	100
75	Efficient Synthesis of a Î²-Peptide Combinatorial Library with Microwave Irradiation. Journal of the American Chemical Society, 2005, 127, 13271-13280.	6.6	99
76	Stabilizing and Destabilizing Effects of Phenylalanine â†' F5-Phenylalanine Mutations on the Folding of a Small Protein. Journal of the American Chemical Society, 2006, 128, 15932-15933.	6.6	99
77	Antimicrobial 14-Helical Î²-Peptides:â€‰ Potent Bilayer Disrupting Agents. Biochemistry, 2004, 43, 9527-9535.	1.2	98
78	Theoretical and Experimental Circular Dichroic Spectra of the Novel Helical Foldamer Poly[(1R,2R)-trans-2-aminocyclopentanecarboxylic acid]. Journal of the American Chemical Society, 1998, 120, 4891-4892.	6.6	97
79	Parallel Sheet Secondary Structure in Î³-Peptides. Journal of the American Chemical Society, 2001, 123, 11077-11078.	6.6	97
80	New Helical Foldamers:Â Heterogeneous Backbones with 1:2 and 2:1 Î±:Î²-Amino Acid Residue Patterns. Journal of the American Chemical Society, 2006, 128, 4538-4539.	6.6	97
81	Nanofibers and Lyotropic Liquid Crystals from a Class of Selfâ€Assembling Î²â€Peptides. Angewandte Chemie - International Edition, 2008, 47, 1241-1244.	7.2	96
82	Interplay between hydrophobic cluster and loop propensity in Î²-hairpin formation11Edited by P. E. Wright. Journal of Molecular Biology, 2001, 306, 397-402.	2.0	95
83	Mechanism of AlIII-Catalyzed Transamidation of Unactivated Secondary Carboxamides. Journal of the American Chemical Society, 2006, 128, 5177-5183.	6.6	95
84	Rational Development of Î²-Peptide Inhibitors of Human Cytomegalovirus Entry. Journal of Biological Chemistry, 2006, 281, 2661-2667.	1.6	95
85	Discrete Heterogeneous Quaternary Structure Formed by Î±/Î²-Peptide Foldamers and Î±-Peptides. Journal of the American Chemical Society, 2007, 129, 6376-6377.	6.6	93
86	Targeting diverse proteinâ€"protein interaction interfaces with Î±/Î²-peptides derived from the Z-domain scaffold. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 4552-4557.	3.3	93
87	Helix Formation in Preorganized Î²/Î³-Peptide Foldamers: Hydrogen-Bond Analogy to the Î±-Helix without Î±-Amino Acid Residues. Journal of the American Chemical Society, 2010, 132, 7868-7869.	6.6	92
88	Extending Foldamer Design beyond Î±-Helix Mimicry: Î±/Î²-Peptide Inhibitors of Vascular Endothelial Growth Factor Signaling. Journal of the American Chemical Society, 2012, 134, 7652-7655.	6.6	92
89	Efficient Synthesis of Enantiomerically Pure Î²2-Amino Acids via Chiral Isoxazolidinones. Journal of Organic Chemistry, 2003, 68, 1575-1578.	1.7	91
90	Parallel Î²-Sheet Vibrational Couplings Revealed by 2D IR Spectroscopy of an Isotopically Labeled Macrocycle: Quantitative Benchmark for the Interpretation of Amyloid and Protein Infrared Spectra. Journal of the American Chemical Society, 2012, 134, 19118-19128.	6.6	91

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91	Î±-Helix Mimicry with Î±/Î²-Peptides. Methods in Enzymology, 2013, 523, 407-429.	0.4	91
92	Crystallographic Characterization of Helical Secondary Structures in Î±/Î²-Peptides with 1:1 Residue Alternation. Journal of the American Chemical Society, 2008, 130, 6544-6550.	6.6	89
93	Energetic Superiority of Two-Center Hydrogen Bonding Relative To Three-Center Hydrogen Bonding in a Model System. Journal of the American Chemical Society, 1998, 120, 9090-9091.	6.6	88
94	Foldamer-templated catalysis of macrocycle formation. Science, 2019, 366, 1528-1531.	6.0	87
95	Tandem Facial Amphiphiles for Membrane Protein Stabilization. Journal of the American Chemical Society, 2010, 132, 16750-16752.	6.6	85
96	A Potent Î±/Î²-Peptide Analogue of GLP-1 with Prolonged Action in Vivo. Journal of the American Chemical Society, 2014, 136, 12848-12851.	6.6	83
97	Redox-Triggered Secondary Structure Changes in the Aggregated States of a Designed Methionine-Rich Peptide. Journal of the American Chemical Society, 1996, 118, 12487-12494.	6.6	82
98	Backbone Thioester Exchange:Â A New Approach to Evaluating Higher Order Structural Stability in Polypeptides. Journal of the American Chemical Society, 2004, 126, 11172-11174.	6.6	80
99	Lyotropic Liquid Crystals from Designed Helical Î²-Peptides. Journal of the American Chemical Society, 2006, 128, 8730-8731.	6.6	80
100	Glucose-Neopentyl Glycol (GNG) amphiphiles for membrane protein study. Chemical Communications, 2013, 49, 2287-2289.	2.2	79
101	Control of Hairpin Formation via Proline Configuration in Parallel Î²-Sheet Model Systems. Journal of the American Chemical Society, 2000, 122, 5443-5447.	6.6	78
102	Exploration of Backbone Space in Foldamers Containing Î±- and Î²-Amino Acid Residues: Developing Protease-Resistant Oligomers that Bind Tightly to the BH3-Recognition Cleft of Bcl-xL. ChemBioChem, 2007, 8, 903-916.	1.3	77
103	Targeting recognition surfaces on natural proteins with peptidic foldamers. Current Opinion in Structural Biology, 2016, 39, 96-105.	2.6	76
104	Practical Synthesis of Enantiomerically Pure Î²2-Amino Acids via Proline-Catalyzed Diastereoselective Aminomethylation of Aldehydes. Journal of the American Chemical Society, 2007, 129, 6050-6055.	6.6	75
105	Access to Poly-Î²-Peptides with Functionalized Side Chains and End Groups via Controlled Ring-Opening Polymerization of Î²-Lactams. Journal of the American Chemical Society, 2009, 131, 1589-1597.	6.6	75
106	An Efficient Route to Either Enantiomer oftrans-2-Aminocyclopentanecarboxylic Acid. Journal of Organic Chemistry, 2001, 66, 5629-5632.	1.7	74
107	Beyond the Hydrophobic Effect:Â Attractions Involving Heteroaromatic Rings in Aqueous Solution1. Journal of the American Chemical Society, 2001, 123, 1244-1245.	6.6	73
108	Tolerance of Acyclic Residues in the Î²-Peptide 12-Helix:Â Access to Diverse Side-Chain Arrays for Biological Applications. Journal of the American Chemical Society, 2002, 124, 6820-6821.	6.6	73

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109	Design of Non-Cysteine-Containing Antimicrobial Î²-Hairpins:Â Structureâˆ’Activity Relationship Studies with Linear Protegrin-1 Analoguesâ€. Biochemistry, 2002, 41, 12835-12842.	1.2	73
110	Preferred side-chain constellations at antiparallel coiled-coil interfaces. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 530-535.	3.3	73
111	Rigid Amphiphiles for Membrane Protein Manipulation. Angewandte Chemie - International Edition, 2000, 39, 758-761.	7.2	70
112	Hydrophile scanning as a complement to alanine scanning for exploring and manipulating proteinâ€"protein recognition: Application to the Bim BH3 domain. Protein Science, 2008, 17, 1232-1240.	3.1	70
113	Foldamer Catalysis. Journal of the American Chemical Society, 2020, 142, 17211-17223.	6.6	70
114	Î²-Arrestin-Biased Agonists of the GLP-1 Receptor from Î²-Amino Acid Residue Incorporation into GLP-1 Analogues. Journal of the American Chemical Society, 2016, 138, 14970-14979.	6.6	69
115	Variations in the turn-forming characteristics of N-Acyl proline units. Biopolymers, 1992, 32, 293-301.	1.2	68
116	Accommodation of Î±-Substituted Residues in the Î²-Peptide 12-Helix:Â Expanding the Range of Substitution Patterns Available to a Foldamer Scaffold. Journal of the American Chemical Society, 2003, 125, 8539-8545.	6.6	68
117	Diversity in Short Î²-Peptide 12-Helices:Â High-Resolution Structural Analysis in Aqueous Solution of a Hexamer Containing Sulfonylated Pyrrolidine Residues. Journal of the American Chemical Society, 2001, 123, 7721-7722.	6.6	66
118	Structureâ€Guided Rational Design of Î±/Î²â€Peptide Foldamers with High Affinity for BCLâ€2 Family Prosurvival Proteins. ChemBioChem, 2013, 14, 1564-1572.	1.3	65
119	Selective Binding of TAR RNA by a Tat-Derived Î²-Peptide. Organic Letters, 2003, 5, 3563-3565.	2.4	64
120	Structural Consequences of Î²-Amino Acid Preorganization in a Self-Assembling Î±/Î²-Peptide: Fundamental Studies of Foldameric Helix Bundles. Journal of the American Chemical Society, 2010, 132, 12378-12387.	6.6	64
121	A Fluorescence Assay for Leucine Zipper Dimerization:â€‰ Avoiding Unintended Consequences of Fluorophore Attachment. Journal of the American Chemical Society, 1999, 121, 4325-4333.	6.6	63
122	An Î±/Î²-Peptide Helix Bundle with a Pure Î²³-Amino Acid Core and a Distinctive Quaternary Structure. Journal of the American Chemical Society, 2009, 131, 9860-9861.	6.6	63
123	Inhibition of Coronavirus Entry <i>In Vitro</i> and <i>Ex Vivo</i> by a Lipid-Conjugated Peptide Derived from the SARS-CoV-2 Spike Glycoprotein HRC Domain. MBio, 2020, 11, .	1.8	63
124	Synthetic Polymers Active against <i>Clostridium difficile</i> Vegetative Cell Growth and Spore Outgrowth. Journal of the American Chemical Society, 2014, 136, 14498-14504.	6.6	62
125	An Efficient Route to Either Enantiomer of Orthogonally Protectedtrans-3-Aminopyrrolidine-4-carboxylic Acid. Journal of Organic Chemistry, 2001, 66, 3597-3599.	1.7	61
126	Crystallographic Characterization of the Î±/Î²-Peptide 14/15-Helix. Journal of the American Chemical Society, 2007, 129, 13780-13781.	6.6	61

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127	Enhancement of Î±-Helix Mimicry by an Î±/Î²-Peptide Foldamer via Incorporation of a Dense Ionic Side-Chain Array. Journal of the American Chemical Society, 2012, 134, 7317-7320.	6.6	59
128	Parallel Sheet Secondary Structure in Î²-Peptides. Angewandte Chemie - International Edition, 2003, 42, 2402-2405.	7.2	58
129	A Parallel Î²-Sheet Model System that Folds in Water. Journal of the American Chemical Society, 2001, 123, 343-344.	6.6	57
130	Titanium(IV)-Mediated Conversion of Carboxamides to Amidines and Implications for Catalytic Transamidation. Organometallics, 2005, 24, 5208-5210.	1.1	57
131	Lyotropic Liquid Crystals Formed from ACHC-Rich Î²-Peptides. Journal of the American Chemical Society, 2011, 133, 13604-13613.	6.6	56
132	Structural Basis of Bclâ€x_L Recognition by a BH3â€Mimetic Î±/Î²â€Peptide Generated by Sequenceâ€Based Design. ChemBioChem, 2011, 12, 2025-2032.	1.3	56
133	Secondary Amine Pendant Î²-Peptide Polymers Displaying Potent Antibacterial Activity and Promising Therapeutic Potential in Treating MRSA-Induced Wound Infections and Keratitis. Journal of the American Chemical Society, 2022, 144, 1690-1699.	6.6	56
134	Glycotripod Amphiphiles for Solubilization and Stabilization of a Membraneâ€Protein Superassembly: Importance of Branching in the Hydrophilic Portion. ChemBioChem, 2008, 9, 1706-1709.	1.3	55
135	Single-Conformation and Diastereomer Specific Ultraviolet and Infrared Spectroscopy of Model Synthetic Foldamers: Î±/Î²-Peptides. Journal of the American Chemical Society, 2009, 131, 6574-6590.	6.6	55
136	Structural Mimicry of the Î±-Helix in Aqueous Solution with an Isoatomic Î±/Î²/Î³-Peptide Backbone. Journal of the American Chemical Society, 2011, 133, 7336-7339.	6.6	55
137	Indifference to Hydrogen Bonding in a Family of Secondary Amides. Journal of the American Chemical Society, 1997, 119, 8528-8532.	6.6	54
138	Influence of Strand Number on Antiparallel Î²-Sheet Stability in Designed Three- and Four-stranded Î²-Sheets. Journal of Molecular Biology, 2003, 326, 553-568.	2.0	54
139	Building Proficient Enzymes with Foldamer Prostheses. Angewandte Chemie - International Edition, 2014, 53, 6978-6981.	7.2	54
140	An Antiparallel Î±-Helical Coiled-Coil Model System for Rapid Assessment of Side-Chain Recognition at the Hydrophobic Interface. Journal of the American Chemical Society, 2006, 128, 16444-16445.	6.6	53
141	Crystallographic Characterization of Helical Secondary Structures in 2:1 and 1:2 Î±/Î²-Peptides. Journal of the American Chemical Society, 2009, 131, 2917-2924.	6.6	53
142	Hydrophobicity and Helicity Regulate the Antifungal Activity of 14-Helical Î²-Peptides. ACS Chemical Biology, 2014, 9, 1613-1621.	1.6	53
143	Characterization of signal bias at the GLP-1 receptor induced by backbone modification of GLP-1. Biochemical Pharmacology, 2017, 136, 99-108.	2.0	53
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145	Parallel Î²-Sheet Secondary Structure Is Stabilized and Terminated by Interstrand Disulfide Cross-Linking. Journal of the American Chemical Society, 2012, 134, 75-78.	6.6	52
146	Non-Hydrogen-Bonded Secondary Structure in Î²-Peptides:Â Evidence from Circular Dichroism of (S)-Pyrrolidine-3- carboxylic Acid Oligomers and (S)-Nipecotic Acid Oligomers. Organic Letters, 1999, 1, 1717-1720.	2.4	51
147	HeLa Cell Entry by Guanidinium-Rich Î²-Peptides: Importance of Specific Cationâ€“Cell Surface Interactions. ChemBioChem, 2007, 8, 917-926.	1.3	51
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