# Samuel H Gellman

## List of Publications by Year in Descending Order



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|---|---|---|---|
| 301 papers | 28,351 citations | 84 h-index | 161 g-index |
| 314 ext. papers | 30,378 ext. citations | 12 avg, IF | 7.24 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 301 | Tailoring Reaction Selectivity by Modulating a Catalytic Diad on a Foldamer Scaffold.. *Journal of the American Chemical Society*, **2022**, | 16.4 | 1 |
| 300 | Secondary Amine Pendant 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**, | 16.4 | 10 |
| 299 | Spatial bias in cAMP generation determines biological responses to PTH type 1 receptor activation. *Science Signaling*, **2021**, 14, eabc5944 | 8.8 | 4 |
| 298 | Local rigidification and possible coacervation of the Escherichia coli DNA by cationic nylon-3 polymers. *Biophysical Journal*, **2021**, 120, 5243-5254 | 2.9 | 1 |
| 297 | Stable Picodisc Assemblies from Saposin Proteins and Branched Detergents. *Biochemistry*, **2021**, 60, 1108-1119 | 3.1 | 1 |
| 296 | Intranasal fusion inhibitory lipopeptide prevents direct-contact SARS-CoV-2 transmission in ferrets. *Science*, **2021**, 371, 1379-1382 | 33.3 | 72 |
| 295 | Cationic Side Chain Identity Directs the Hydrophobically Driven Self-Assembly of Amphiphilic Peptides in Aqueous Solution. *Langmuir*, **2021**, 37, 3288-3298 | 4 | 9 |
| 294 | Cationic Homopolymers Inhibit Spore and Vegetative Cell Growth of. *ACS Infectious Diseases*, **2021**, 7, 1236-1247 | 5.5 | 2 |
| 293 | Engineering Protease-Resistant Peptides to Inhibit Human Parainfluenza Viral Respiratory Infection. *Journal of the American Chemical Society*, **2021**, 143, 5958-5966 | 16.4 | 4 |
| 292 | Backbone Modifications of HLA-A2-Restricted Antigens Induce Diverse Binding and T Cell Activation Outcomes. *Journal of the American Chemical Society*, **2021**, 143, 6470-6481 | 16.4 | 2 |
| 291 | Versatile Open-Source Photoreactor Architecture for Photocatalysis Across the Visible Spectrum. *Organic Letters*, **2021**, 23, 5277-5281 | 6.2 | 2 |
| 290 | Potential Foldamers Based on an Terphenyl Amino Acid. *Organic Letters*, **2021**, 23, 4855-4859 | 6.2 | 2 |
| 289 | Conformationally flexible core-bearing detergents with a hydrophobic or hydrophilic pendant: Effect of pendant polarity on detergent conformation and membrane protein stability. *Acta Biomaterialia*, **2021**, 128, 393-407 | 10.8 | 4 |
| 288 | Comparisons of Hairpin Propensity Among Peptides with Homochiral or Heterochiral Strands. *ChemBioChem*, **2021**, 22, 2772-2776 | 3.8 | 1 |
| 287 | Diverse Impacts on Prokaryotic and Eukaryotic Membrane Activities from Hydrophobic Subunit Variation Among Nylon-3 Copolymers. *ACS Chemical Biology*, **2021**, 16, 176-184 | 4.9 | 2 |
| 286 | Beyond Amphiphilic Balance: Changing Subunit Stereochemistry Alters the Pore-Forming Activity of Nylon-3 Polymers. *Journal of the American Chemical Society*, **2021**, 143, 3219-3230 | 16.4 | 11 |
| 285 | Structural and functional diversity among agonist-bound states of the GLP-1 receptor.. *Nature Chemical Biology*, **2021**, | 11.7 | 1 |

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| 284 | Harnessing Noncovalent Interactions to Drive Single-Chain Nanoparticle Formation. *Macromolecules*, **2020**, 53, 8141-8143 | 5.5 | 2 |
| 283 | Catalytic Intramolecular Conjugate Additions of Aldehyde-Derived Enamines to β,γ-Unsaturated Esters. *Organic Letters*, **2020**, 22, 4568-4573 | 6.2 | 1 |
| 282 | G-dependent regulation of endosomal cAMP generation by parathyroid hormone class B GPCR. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 7455-7460 | 11.5 | 15 |
| 281 | Influence of immobilized cations on the thermodynamic signature of hydrophobic interactions at chemically heterogeneous surfaces. *Molecular Systems Design and Engineering*, **2020**, 5, 835-846 | 4.6 | 1 |
| 280 | Structure-Guided Improvement of a Dual HPIV3/RSV Fusion Inhibitor. *Journal of the American Chemical Society*, **2020**, 142, 2140-2144 | 16.4 | 7 |
| 279 | Intranasal fusion inhibitory lipopeptide prevents direct contact SARS-CoV-2 transmission in ferrets **2020**, | | 4 |
| 278 | Preparation of β-Homologous Amino Acids Bearing Polar Side Chains via a Collective Synthesis Strategy. *Journal of Organic Chemistry*, **2020**, 85, 1718-1724 | 4.2 | 5 |
| 277 | Foldamer Catalysis. *Journal of the American Chemical Society*, **2020**, 142, 17211-17223 | 16.4 | 23 |
| 276 | Effects of Single-to-Residue Replacements on Recognition of an Extended Segment in a Viral Fusion Protein. *ACS Infectious Diseases*, **2020**, 6, 2017-2022 | 5.5 | 5 |
| 275 | Inhibition of Coronavirus Entry and by a Lipid-Conjugated Peptide Derived from the SARS-CoV-2 Spike Glycoprotein HRC Domain. *MBio*, **2020**, 11, | 7.8 | 33 |
| 274 | Tumor Necrosis Factor-α Trimer Disassembly and Inactivation via Peptide-Small Molecule Synergy. *ACS Chemical Biology*, **2020**, 15, 2116-2124 | 4.9 | 2 |
| 273 | Use of Backbone Modification To Enlarge the Spatiotemporal Diversity of Parathyroid Hormone Receptor-1 Signaling via Biased Agonism. *Journal of the American Chemical Society*, **2019**, 141, 14486-14490 | 16.4 | 12 |
| 272 | Impact of Substitution Registry on the Receptor-Activation Profiles of Backbone-Modified Glucagon-like Peptide-1 Analogues. *ChemBioChem*, **2019**, 20, 2834-2840 | 3.8 | 3 |
| 271 | Retention of Native Quaternary Structure in Racemic Melittin Crystals. *Journal of the American Chemical Society*, **2019**, 141, 7704-7708 | 16.4 | 13 |
| 270 | Use of a Stereochemical Strategy To Probe the Mechanism of Phenol-Soluble Modulin β Toxicity. *Journal of the American Chemical Society*, **2019**, 141, 7660-7664 | 16.4 | 23 |
| 269 | Recognition of Class II MHC Peptide Ligands That Contain β-Amino Acids. *Journal of Immunology*, **2019**, 203, 1619-1628 | 5.3 | 6 |
| 268 | Ketones from Nickel-Catalyzed Decarboxylative, Non-Symmetric Cross-Electrophile Coupling of Carboxylic Acid Esters. *Angewandte Chemie*, **2019**, 131, 12209-12213 | 3.6 | 21 |
| 267 | Ketones from Nickel-Catalyzed Decarboxylative, Non-Symmetric Cross-Electrophile Coupling of Carboxylic Acid Esters. *Angewandte Chemie - International Edition*, **2019**, 58, 12081-12085 | 16.4 | 62 |

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| 266 | Dual Inhibition of Human Parainfluenza Type 3 and Respiratory Syncytial Virus Infectivity with a Single Agent. *Journal of the American Chemical Society*, **2019**, 141, 12648-12656 | 16.4 | 14 |
| 265 | Foldamer-templated catalysis of macrocycle formation. *Science*, **2019**, 366, 1528-1531 | 33.3 | 40 |
| 264 | Retention of Coiled-Coil Dimer Formation in the Absence of Ion Pairing at Positions Flanking the Hydrophobic Core. *Biochemistry*, **2019**, 58, 4821-4826 | 3.2 | 5 |
| 263 | A Hendecad Motif Is Preferred for Heterochiral Coiled-Coil Formation. *Journal of the American Chemical Society*, **2019**, 141, 1583-1592 | 16.4 | 12 |
| 262 | Impact of Backbone Pattern and Residue Substitution on Helicity in β-Peptides. *Journal of the American Chemical Society*, **2018**, 140, 1394-1400 | 16.4 | 17 |
| 261 | Evaluation of α-Amino Acid Replacements in Protein Loops: Effects on Conformational Stability and Structure. *ChemBioChem*, **2018**, 19, 604-612 | 3.8 | 12 |
| 260 | Thermodynamic Scale of α-Amino Acid Residue Propensities for an α-Helix-like Conformation. *Journal of the American Chemical Society*, **2018**, 140, 9396-9399 | 16.4 | 11 |
| 259 | Receptor selectivity from minimal backbone modification of a polypeptide agonist. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, 12383-12388 | 11.5 | 19 |
| 258 | Exploration of Diverse Reactive Diad Geometries for Bifunctional Catalysis via Foldamer Backbone Variation. *Journal of the American Chemical Society*, **2018**, 140, 12476-12483 | 16.4 | 19 |
| 257 | Differential Effects of β- versus α-Amino Acid Residues on the Helicity and Recognition Properties of Bim BH3-Derived β-Peptides. *Angewandte Chemie*, **2018**, 130, 14025-14028 | 3.6 | 5 |
| 256 | Differential Effects of β versus α-Amino Acid Residues on the Helicity and Recognition Properties of Bim BH3-Derived β-Peptides. *Angewandte Chemie - International Edition*, **2018**, 57, 13829-13832 | 16.4 | 13 |
| 255 | Peptide-Like Nylon-3 Polymers with Activity against Phylogenetically Diverse, Intrinsically Drug-Resistant Pathogenic Fungi. *MSphere*, **2018**, 3, | 5 | 5 |
| 254 | Iterative Nonproteinogenic Residue Incorporation Yields β-Peptides with a Helix-Loop-Helix Tertiary Structure and High Affinity for VEGF. *ChemBioChem*, **2017**, 18, 291-299 | 3.8 | 11 |
| 253 | Inhibition of Ice Recrystallization by Nylon-3 Polymers. *ACS Macro Letters*, **2017**, 6, 695-699 | 6.6 | 14 |
| 252 | Characterization of signal bias at the GLP-1 receptor induced by backbone modification of GLP-1. *Biochemical Pharmacology*, **2017**, 136, 99-108 | 6 | 40 |
| 251 | Development of Potent, Protease-Resistant Agonists of the Parathyroid Hormone Receptor with Broad α-Residue Distribution. *Journal of Medicinal Chemistry*, **2017**, 60, 8816-8833 | 8.3 | 10 |
| 250 | Helix Propensities of Amino Acid Residues via Thioester Exchange. *Journal of the American Chemical Society*, **2017**, 139, 13292-13295 | 16.4 | 15 |
| 249 | A Cationic Polymer That Shows High Antifungal Activity against Diverse Human Pathogens. *Antimicrobial Agents and Chemotherapy*, **2017**, 61, | 5.9 | 24 |

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| 248 | Nonadditive Interactions Mediated by Water at Chemically Heterogeneous Surfaces: Nonionic Polar Groups and Hydrophobic Interactions. *Journal of the American Chemical Society*, **2017**, 139, 18536-18544 | 16.4 | 23 |
| 247 | Toward a Soluble Model System for the Amyloid State. *Journal of the American Chemical Society*, **2017**, 139, 16434-16437 | 16.4 | 3 |
| 246 | Incorporation of β-Amino Acids Enhances the Antifungal Activity and Selectivity of the Helical Antimicrobial Peptide Aurein 1.2. *ACS Chemical Biology*, **2017**, 12, 2975-2980 | 4.9 | 13 |
| 245 | Backbone Modification of a Parathyroid Hormone Receptor-1 Antagonist/Inverse Agonist. *ACS Chemical Biology*, **2016**, 11, 2752-2762 | 4.9 | 18 |
| 244 | Impact of β-Amino Acid Residue Preorganization on α/β-Peptide Foldamer Helicity in Aqueous Solution. *Journal of the American Chemical Society*, **2016**, 138, 10766-9 | 16.4 | 30 |
| 243 | Targeting recognition surfaces on natural proteins with peptidic foldamers. *Current Opinion in Structural Biology*, **2016**, 39, 96-105 | 8.1 | 68 |
| 242 | Inherent Conformational Preferences of Ac-Gln-Gln-NHBn: Sidechain Hydrogen Bonding Supports a β-Turn in the Gas Phase. *Angewandte Chemie - International Edition*, **2016**, 55, 14618-14622 | 16.4 | 12 |
| 241 | β-Arrestin-Biased Agonists of the GLP-1 Receptor from β-Amino Acid Residue Incorporation into GLP-1 Analogues. *Journal of the American Chemical Society*, **2016**, 138, 14970-14979 | 16.4 | 54 |
| 240 | Conformation-specific spectroscopy of capped glutamine-containing peptides: role of a single glutamine residue on peptide backbone preferences. *Physical Chemistry Chemical Physics*, **2016**, 18, 11306-22 | 3.6 | 20 |
| 239 | Interaction of the Hydrophobic Tip of an Atomic Force Microscope with Oligopeptides Immobilized Using Short and Long Tethers. *Langmuir*, **2016**, 32, 2985-95 | 4 | 7 |
| 238 | Single-Cell, Time-Resolved Antimicrobial Effects of a Highly Cationic, Random Nylon-3 Copolymer on Live Escherichia coli. *ACS Chemical Biology*, **2016**, 11, 113-20 | 4.9 | 35 |
| 237 | Evaluation of the Ser-His Dipeptide, a Putative Catalyst of Amide and Ester Hydrolysis. *Organic Letters*, **2016**, 18, 3518-21 | 6.2 | 15 |
| 236 | Inherent Conformational Preferences of Ac-Gln-Gln-NHBn: Sidechain Hydrogen Bonding Supports a β-Turn in the Gas Phase. *Angewandte Chemie*, **2016**, 128, 14838-14842 | 3.6 | 1 |
| 235 | Effects of Single β-to-β-Residue Replacements on Structure and Stability in a Small Protein: Insights from Quasiracemic Crystallization. *Journal of the American Chemical Society*, **2016**, 138, 6498-505 | 16.4 | 30 |
| 234 | Consequences of periodic β-to-β(3) residue replacement for immunological recognition of peptide epitopes. *ACS Chemical Biology*, **2015**, 10, 844-54 | 4.9 | 17 |
| 233 | Correlating antimicrobial activity and model membrane leakage induced by nylon-3 polymers and detergents. *Soft Matter*, **2015**, 11, 6840-51 | 3.6 | 38 |
| 232 | A preorganized β-amino acid bearing a guanidinium side chain and its use in cell-penetrating peptides. *Organic and Biomolecular Chemistry*, **2015**, 13, 5617-20 | 3.9 | 34 |
| 231 | Heterogeneous H-bonding in a foldamer helix. *Journal of the American Chemical Society*, **2015**, 137, 6484-7 | 16.4 | 37 |

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| 230 | Residue-Based Preorganization of BH3-Derived β-Peptides: Modulating Affinity, Selectivity and Proteolytic Susceptibility in α-Helix Mimics. *ACS Chemical Biology*, **2015**, 10, 1667-75 | 4.9 | 35 |
| 229 | High-resolution structures of a heterochiral coiled coil. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, 13144-9 | 11.5 | 24 |
| 228 | β-Peptide Foldamers Targeting Intracellular Protein-Protein Interactions with Activity in Living Cells. *Journal of the American Chemical Society*, **2015**, 137, 11365-75 | 16.4 | 81 |
| 227 | PTH receptor-1 signalling-mechanistic insights and therapeutic prospects. *Nature Reviews Endocrinology*, **2015**, 11, 712-24 | 15.2 | 121 |
| 226 | Quasiracemate Crystal Structures of Magainin 2 Derivatives Support the Functional Significance of the Phenylalanine Zipper Motif. *Journal of the American Chemical Society*, **2015**, 137, 11884-7 | 16.4 | 14 |
| 225 | Impact of Strand Number on Parallel β-Sheet Stability. *Angewandte Chemie*, **2015**, 127, 14544-14547 | 3.6 | 5 |
| 224 | Impact of Strand Number on Parallel β-Sheet Stability. *Angewandte Chemie - International Edition*, **2015**, 54, 14336-9 | 16.4 | 20 |
| 223 | Targeting diverse protein-protein interaction interfaces with α/β-peptides derived from the Z-domain scaffold. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, 4552-7 | 11.5 | 74 |
| 222 | Screening nylon-3 polymers, a new class of cationic amphiphiles, for siRNA delivery. *Molecular Pharmaceutics*, **2015**, 12, 362-74 | 5.6 | 17 |
| 221 | Modulation of hydrophobic interactions by proximally immobilized ions. *Nature*, **2015**, 517, 347-50 | 50.4 | 134 |
| 220 | Building Proficient Enzymes with Foldamer Prostheses. *Angewandte Chemie*, **2014**, 126, 7098-7101 | 3.6 | 18 |
| 219 | A β-amino acid that favors 12/10-helical secondary structure in α/β-peptides. *Journal of the American Chemical Society*, **2014**, 136, 15046-53 | 16.4 | 42 |
| 218 | Ammonolysis of anilides promoted by ethylene glycol and phosphoric acid. *RSC Advances*, **2014**, 4, 46840-46843 | 3.7 | 6 |
| 217 | Synthetic polymers active against Clostridium difficile vegetative cell growth and spore outgrowth. *Journal of the American Chemical Society*, **2014**, 136, 14498-504 | 16.4 | 52 |
| 216 | Mimicking the first turn of an α-helix with an unnatural backbone: conformation-specific IR and UV spectroscopy of cyclically constrained α/β-peptides. *Journal of Physical Chemistry B*, **2014**, 118, 8246-56 | 3.4 | 21 |
| 215 | Structure-activity relationships among antifungal nylon-3 polymers: identification of materials active against drug-resistant strains of Candida albicans. *Journal of the American Chemical Society*, **2014**, 136, 4333-42 | 16.4 | 88 |
| 214 | Hydrophobicity and helicity regulate the antifungal activity of 14-helical β-peptides. *ACS Chemical Biology*, **2014**, 9, 1613-21 | 4.9 | 44 |
| 213 | A potent α/β-peptide analogue of GLP-1 with prolonged action in vivo. *Journal of the American Chemical Society*, **2014**, 136, 12848-51 | 16.4 | 70 |

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| 212 | Tuning the biological activity profile of antibacterial polymers via subunit substitution pattern. *Journal of the American Chemical Society*, **2014**, 136, 4410-8 | 16.4 | 150 |
| 211 | Hydrophobic variants of ganglio-tripod amphiphiles for membrane protein manipulation. *Biochimica Et Biophysica Acta - Biomembranes*, **2014**, 1838, 278-86 | 3.8 | 28 |
| 210 | Improved glucose-neopentyl glycol (GNG) amphiphiles for membrane protein solubilization and stabilization. *Chemistry - an Asian Journal*, **2014**, 9, 632-8 | 4.5 | 25 |
| 209 | Backbone modification of a polypeptide drug alters duration of action in vivo. *Nature Biotechnology* , **2014**, 32, 653-5 | 44.5 | 88 |
| 208 | Medium effects on minimum inhibitory concentrations of nylon-3 polymers against E. coli. *PLoS ONE*, **2014**, 9, e104500 | 3.7 | 30 |
| 207 | New charge-bearing amino acid residues that promote β-sheet secondary structure. *Journal of the American Chemical Society*, **2014**, 136, 16683-8 | 16.4 | 27 |
| 206 | Building proficient enzymes with foldamer prostheses. *Angewandte Chemie - International Edition*, **2014**, 53, 6978-81 | 16.4 | 45 |
| 205 | Hydrophobic variations of N-oxide amphiphiles for membrane protein manipulation: importance of non-hydrocarbon groups in the hydrophobic portion. *Chemistry - an Asian Journal*, **2014**, 9, 110-6 | 4.5 | 7 |
| 204 | Two interdependent mechanisms of antimicrobial activity allow for efficient killing in nylon-3-based polymeric mimics of innate immunity peptides. *Biochimica Et Biophysica Acta - Biomembranes*, **2014**, 1838, 2269-79 | 3.8 | 27 |
| 203 | Nylon-3 polymers with selective antifungal activity. *Journal of the American Chemical Society*, **2013**, 135, 5270-3 | 16.4 | 102 |
| 202 | Effects of Cyclic vs. Acyclic Hydrophobic Subunits on the Chemical Structure and Biological Properties of Nylon-3 Co-Polymers. *ACS Macro Letters*, **2013**, 2, | 6.6 | 35 |
| 201 | Evidence for phenylalanine zipper-mediated dimerization in the X-ray crystal structure of a magainin 2 analogue. *Journal of the American Chemical Society*, **2013**, 135, 15738-15741 | 16.4 | 24 |
| 200 | Nylon-3 polymers that enable selective culture of endothelial cells. *Journal of the American Chemical Society*, **2013**, 135, 16296-9 | 16.4 | 29 |
| 199 | Evaluation of a cyclopentane-based β-amino acid for the ability to promote 2.7.12-peptide secondary structure. *Journal of Organic Chemistry*, **2013**, 78, 12351-61 | 4.2 | 21 |
| 198 | Cyclic constraints on conformational flexibility in β-peptides: conformation specific IR and UV spectroscopy. *Journal of Physical Chemistry A*, **2013**, 117, 12350-62 | 2.8 | 26 |
| 197 | α-Helix mimicry with α/β-peptides. *Methods in Enzymology*, **2013**, 523, 407-29 | 1.7 | 85 |
| 196 | Structure-guided rational design of α/β-peptide foldamers with high affinity for BCL-2 family prosurvival proteins. *ChemBioChem*, **2013**, 14, 1564-72 | 3.8 | 58 |
| 195 | Novel tripod amphiphiles for membrane protein analysis. *Chemistry - A European Journal*, **2013**, 19, 15645-51 | 4.8 | 35 |

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| 194 | Glucose-neopentyl glycol (GNG) amphiphiles for membrane protein study. *Chemical Communications*, **2013**, 49, 2287-9 | 5.8 | 67 |
| 193 | Carbohydrate-containing Triton X-100 analogues for membrane protein solubilization and stabilization. *Molecular BioSystems*, **2013**, 9, 626-9 | | 19 |
| 192 | Differential impact of β and γ residue preorganization on β/γ peptide helix stability in water. *Journal of the American Chemical Society*, **2013**, 135, 8149-52 | 16.4 | 33 |
| 191 | Structural Characterization of Peptide Oligomers Containing (1R,2S)-2-Aminocyclohexanecarboxylic Acid (cis-ACHC). *European Journal of Organic Chemistry*, **2013**, 2013, 3464-3469 | 3.2 | 21 |
| 190 | Role of ring-constrained β amino acid residues in β peptide folding: single-conformation UV and IR spectroscopy. *Journal of Physical Chemistry A*, **2013**, 117, 10847-62 | 2.8 | 26 |
| 189 | Evidence for small-molecule-mediated loop stabilization in the structure of the isolated Pin1 WW domain. *Acta Crystallographica Section D: Biological Crystallography*, **2013**, 69, 2506-12 | | 7 |
| 188 | Helical secondary structures in 2:1 and 1:2 β peptide foldamers. *Tetrahedron*, **2012**, 68, 4413-4417 | 2.4 | 15 |
| 187 | Parallel β 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, 19118-28 | 16.4 | 78 |
| 186 | Polymer chain length effects on fibroblast attachment on nylon-3-modified surfaces. *Biomacromolecules*, **2012**, 13, 1100-5 | 6.9 | 32 |
| 185 | Quasiracemic crystallization as a tool to assess the accommodation of noncanonical residues in nativelike protein conformations. *Journal of the American Chemical Society*, **2012**, 134, 2473-6 | 16.4 | 30 |
| 184 | The d'--d--d' vertical triad is less discriminating than the a'--a--a' vertical triad in the antiparallel coiled-coil dimer motif. *Journal of the American Chemical Society*, **2012**, 134, 2626-33 | 16.4 | 17 |
| 183 | Parallel β sheet secondary structure is stabilized and terminated by interstrand disulfide cross-linking. *Journal of the American Chemical Society*, **2012**, 134, 75-8 | 16.4 | 42 |
| 182 | Extending foldamer design beyond α helix mimicry: β peptide inhibitors of vascular endothelial growth factor signaling. *Journal of the American Chemical Society*, **2012**, 134, 7652-5 | 16.4 | 80 |
| 181 | Experimental and computational analysis of cellular interactions with nylon-3-bearing substrates. *Journal of Biomedical Materials Research - Part A*, **2012**, 100, 2750-9 | 5.4 | 15 |
| 180 | New preorganized β amino acids as foldamer building blocks. *Organic Letters*, **2012**, 14, 2582-5 | 6.2 | 43 |
| 179 | Enhancement of α helix mimicry by an β peptide foldamer via incorporation of a dense ionic side-chain array. *Journal of the American Chemical Society*, **2012**, 134, 7317-20 | 16.4 | 50 |
| 178 | Evaluation of diverse β backbone patterns for functional α helix mimicry: analogues of the Bim BH3 domain. *Journal of the American Chemical Society*, **2012**, 134, 315-23 | 16.4 | 133 |
| 177 | A new class of amphiphiles bearing rigid hydrophobic groups for solubilization and stabilization of membrane proteins. *Chemistry - A European Journal*, **2012**, 18, 9485-90 | 4.8 | 87 |

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| 176 | Inside Cover: A New Class of Amphiphiles Bearing Rigid Hydrophobic Groups for Solubilization and Stabilization of Membrane Proteins (Chem. Eur. J. 31/2012). *Chemistry - A European Journal*, **2012**, 18, 9434-9434 | 4.8 | |
| 175 | Lyotropic liquid crystals formed from ACHC-rich β-peptides. *Journal of the American Chemical Society*, **2011**, 133, 13604-13 | 16.4 | 51 |
| 174 | Lyotropic liquid crystalline phases from helical β-peptides as alignment media. *Chemical Communications*, **2011**, 47, 502-4 | 5.8 | 26 |
| 173 | Crystal structure of the β2 adrenergic receptor-Gs protein complex. *Nature*, **2011**, 477, 549-55 | 50.4 | 2228 |
| 172 | Structure of a nanobody-stabilized active state of the β(2) adrenoceptor. *Nature*, **2011**, 469, 175-80 | 50.4 | 1299 |
| 171 | Structure and function of an irreversible agonist-β(2) adrenoceptor complex. *Nature*, **2011**, 469, 236-40 | 50.4 | 664 |
| 170 | Characteristic Structural Parameters for the β-Peptide 14-Helix: Importance of Subunit Preorganization. *Angewandte Chemie*, **2011**, 123, 5965-5968 | 3.6 | 15 |
| 169 | Impact of Strand Length on the Stability of Parallel-β-Sheet Secondary Structure. *Angewandte Chemie*, **2011**, 123, 8894-8897 | 3.6 | 6 |
| 168 | Characteristic structural parameters for the β-peptide 14-helix: importance of subunit preorganization. *Angewandte Chemie - International Edition*, **2011**, 50, 5843-6 | 16.4 | 47 |
| 167 | Impact of strand length on the stability of parallel-β-sheet secondary structure. *Angewandte Chemie - International Edition*, **2011**, 50, 8735-8 | 16.4 | 18 |
| 166 | Sheet-like assemblies of charged amphiphilic α/β-peptides at the air-water interface. *Chemistry - A European Journal*, **2011**, 17, 14857-66 | 4.8 | 29 |
| 165 | Structural basis of Bcl-xL recognition by a BH3-mimetic α/β-peptide generated by sequence-based design. *ChemBioChem*, **2011**, 12, 2025-32 | 3.8 | 53 |
| 164 | Single-molecule force spectroscopy of β-peptides that display well-defined three-dimensional chemical patterns. *Journal of the American Chemical Society*, **2011**, 133, 3981-8 | 16.4 | 14 |
| 163 | Broad distribution of energetically important contacts across an extended protein interface. *Journal of the American Chemical Society*, **2011**, 133, 10038-41 | 16.4 | 32 |
| 162 | Structural mimicry of the β-helix in aqueous solution with an isoatomic α/β-peptide backbone. *Journal of the American Chemical Society*, **2011**, 133, 7336-9 | 16.4 | 53 |
| 161 | Maltose-neopentyl glycol (MNG) amphiphiles for solubilization, stabilization and crystallization of membrane proteins. *Nature Methods*, **2010**, 7, 1003-8 | 21.6 | 316 |
| 160 | Helix formation in preorganized beta/gamma-peptide foldamers: hydrogen-bond analogy to the alpha-helix without alpha-amino acid residues. *Journal of the American Chemical Society*, **2010**, 132, 7868-9 | 16.4 | 84 |
| 159 | Kinetics of Anionic Ring-Opening Polymerization of Variously Substituted β-Lactams: Homopolymerization and Copolymerization. *Macromolecules*, **2010**, 43, 5618-5626 | 5.5 | 20 |

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| 158 | Laser spectroscopy of conformationally constrained alpha/beta-peptides: Ac-ACPC-Phe-NHMe and Ac-Phe-ACPC-NHMe. *Journal of Physical Chemistry A*, **2010**, 114, 1581-91 | 2.8 | 32 |
| 157 | Structural consequences of beta-amino acid preorganization in a self-assembling alpha/beta-peptide: fundamental studies of foldameric helix bundles. *Journal of the American Chemical Society*, **2010**, 132, 12378-87 | 16.4 | 59 |
| 156 | Biophysical mimicry of lung surfactant protein B by random nylon-3 copolymers. *Journal of the American Chemical Society*, **2010**, 132, 7957-67 | 16.4 | 31 |
| 155 | Crystallographic characterization of 12-helical secondary structure in β-peptides containing side chain groups. *Journal of the American Chemical Society*, **2010**, 132, 13879-85 | 16.4 | 36 |
| 154 | Crystallographic characterization of N-oxide tripod amphiphiles. *Journal of the American Chemical Society*, **2010**, 132, 1953-9 | 16.4 | 9 |
| 153 | Tandem facial amphiphiles for membrane protein stabilization. *Journal of the American Chemical Society*, **2010**, 132, 16750-2 | 16.4 | 77 |
| 152 | Tripod Amphiphiles for Membrane Protein Manipulation. *Molecular BioSystems*, **2010**, 6, 89-94 | | 44 |
| 151 | Highly stable pleated-sheet secondary structure in assemblies of amphiphilic alpha/beta-peptides at the air-water interface. *Angewandte Chemie - International Edition*, **2010**, 49, 716-9 | 16.4 | 25 |
| 150 | Detection and analysis of chimeric tertiary structures by backbone thioester exchange: packing of an alpha helix against an alpha/beta-peptide helix. *Angewandte Chemie - International Edition*, **2010**, 49, 368-71 | 16.4 | 49 |
| 149 | Structural and biological mimicry of protein surface recognition by alpha/beta-peptide foldamers. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 14751-6 | 11.5 | 217 |
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