

Fernando Formaggio

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Is Cys(MTSL) the Best α -Amino Acid Residue to Electron Spin Labeling of Synthetically Accessible Peptide Molecules with Nitroxides?. ACS Omega, 2022, 7, 5154-5165.	1.6	2
2	A Peptide-Based Trap for Metal Ions Studied by Electron Paramagnetic Resonance. Chemosensors, 2022, 10, 71.	1.8	0
3	Peptide-membrane binding is not enough to explain bioactivity: A case study. Biochimica Et Biophysica Acta - Biomembranes, 2022, 1864, 183978.	1.4	2
4	Flat, C ² -Didehydroalanine Foldamers with Ferrocene Pendants: Assessing the Role of Peptide Dipolar Moments. ChemPlusChem, 2021, 86, 723-730.	1.3	7
5	Copper(II) Lysinate and Pseudoproline Assistance in the Convergent Synthesis of the GLP-1 Receptor Agonists Liraglutide and Semaglutide. Organic Process Research and Development, 2021, 25, 1598-1611.	1.3	5
6	Conformationally Constrained Peptides with High Affinity to the Vascular Endothelial Growth Factor. Journal of Medicinal Chemistry, 2021, 64, 10900-10907.	2.9	5
7	Flat, Ferrocenyl-Conjugated Peptides: A Combined Electrochemical and Spectroscopic Study. ChemElectroChem, 2021, 8, 2693-2700.	1.7	3
8	Tylopeptin B peptide antibiotic in lipid membranes at low concentrations: Self-assembling, mutual repulsion and localization. Biochimica Et Biophysica Acta - Biomembranes, 2021, 1863, 183585.	1.4	8
9	Overcoming Chemical Challenges in the Solid-Phase Synthesis of High-Purity GnRH Antagonist Degarelix. Part 2. Organic Process Research and Development, 2020, 24, 274-278.	1.3	12
10	ESE-Detected Molecular Motions of Spin-Labeled Molecules on a Solid Inorganic Surface: Motional Models and Onset Temperatures. Applied Magnetic Resonance, 2020, 51, 1019-1029.	0.6	5
11	Sustainable, Site-Specific Linkage of Antimicrobial Peptides to Cotton Textiles. Macromolecular Bioscience, 2020, 20, e2000199.	2.1	5
12	Insights into the Distance Dependence of Electron Transfer through Conformationally Constrained Peptides. ChemElectroChem, 2020, 7, 1225-1237.	1.7	8
13	From Amherst (Massachusetts, USA) to Padua (Italy) and back again: Louis A. Carpino's scientifically productive journey. Peptide Science, 2020, 112, e24153.	1.0	0
14	Covalent Graft of Lipopeptides and Peptide Dendrimers to Cellulose Fibers. Coatings, 2019, 9, 606.	1.2	12
15	Controlling the Formation of Peptide Films: Fully Developed Helical Peptides are Required to Obtain a Homogenous Coating over a Large Area. ChemPlusChem, 2019, 84, 1688-1696.	1.3	5
16	Electron spin echo detection of stochastic molecular librations: Non-cooperative motions on solid surface. Journal of Magnetic Resonance, 2019, 309, 106621.	1.2	5
17	Overcoming Chemical Challenges in the Solid-Phase Synthesis of High-Purity GnRH Antagonist Degarelix. Part 1.. Organic Process Research and Development, 2019, 23, 2746-2753.	1.3	7
18	A Temperature-Driven, Reversible, Helical-Handedness Inversion in Peptaibol Analogues Tuned by the C-Terminal Capping Moiety. ChemBioChem, 2019, 20, 2125-2132.	1.3	3

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19	Molecular Sponge: pH-Driven Reversible Squeezing of Stimuli-Sensitive Peptide Monolayers. <i>Langmuir</i> , 2019, 35, 4813-4824.	1.6	7
20	Heterochiral Ala/($\hat{I}\pm$ Me)Aze sequential oligopeptides: Synthesis and conformational study. <i>Journal of Peptide Science</i> , 2019, 25, e3165.	0.8	1
21	Fluoro-Aryl Substituted $\hat{I}\pm, \hat{I}^2, 3$ -Peptides in the Development of Foldameric Antiparallel \hat{I}^2 -Sheets: A Conformational Study. <i>Frontiers in Chemistry</i> , 2019, 7, 192.	1.8	16
22	Rational Design of Antiangiogenic Helical Oligopeptides Targeting the Vascular Endothelial Growth Factor Receptors. <i>Frontiers in Chemistry</i> , 2019, 7, 170.	1.8	10
23	Peptide antibiotic trichogin in model membranes: Self-association and capture of fatty acids. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2019, 1861, 524-531.	1.4	17
24	Anticancer Gold(III) Peptidomimetics: From Synthesis to in vitro and ex vivo Biological Evaluations. <i>ChemMedChem</i> , 2018, 13, 1131-1145.	1.6	23
25	The fully \hat{E} -extended conformation in peptides and proteins. <i>Peptide Science</i> , 2018, 110, e23100.	1.0	12
26	Alamethicin self-assembling in lipid membranes: concentration dependence from pulsed EPR of spin labels. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 3592-3601.	1.3	9
27	Conformational properties, membrane interaction, and antibacterial activity of the peptaibiotic chalciporin A: Multitechnique spectroscopic and biophysical investigations on the natural compound and labeled analogs. <i>Peptide Science</i> , 2018, 110, e23083.	1.0	6
28	Amphiphilic polypeptides with prolonged enzymatic stability for the preparation of self-assembled nanobiomaterials. <i>RSC Advances</i> , 2018, 8, 34603-34613.	1.7	15
29	A novel peptide conformation: the \hat{I}^3 -bend ribbon. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 7947-7958.	1.5	6
30	Tuning the Morphology of Nanostructured Peptide Films by the Introduction of a Secondary Structure Conformational Constraint: A Case Study of Hierarchical Self-Assembly. <i>Journal of Physical Chemistry B</i> , 2018, 122, 6305-6313.	1.2	10
31	The several facets of Trichogin GA IV: High affinity Tb(III) binding properties. A spectroscopic and molecular dynamics simulation study. <i>Peptide Science</i> , 2018, 110, e24081.	1.0	5
32	The importance of being Aib. Aggregation and self-assembly studies on conformationally constrained oligopeptides. <i>Journal of Peptide Science</i> , 2017, 23, 104-116.	0.8	18
33	En route towards the peptide \hat{I}^3 -helix: X-ray diffraction analyses and conformational energy calculations of Adm-rich short peptides. <i>Journal of Peptide Science</i> , 2017, 23, 346-362.	0.8	8
34	Integrated Computational Approach to the Electron Paramagnetic Resonance Characterization of Rigid 3×10 -Helical Peptides with TOAC Nitroxide Spin Labels. <i>Journal of Physical Chemistry B</i> , 2017, 121, 4379-4387.	1.2	4
35	Synthesis of Intrinsically Blue-Colored \hat{I}^3 -Nitronyl Nitroxide Peptidomimetic Templates and Their Conformational Preferences as Revealed by a Combined Spectroscopic Analysis. <i>Journal of Organic Chemistry</i> , 2017, 82, 10033-10042.	1.7	6
36	Nanotraps with biomimetic surface as decoys for chemokines. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2017, 13, 2575-2585.	1.7	14

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37	Intramolecular backbone-backbone hydrogen bonds in polypeptide conformations. The other way around: β -turn. <i>Biopolymers</i> , 2017, 108, e22911.	1.2	7
38	Insights into peptide-membrane interactions of newly synthesized, nitroxide-containing analogs of the peptaibiotic trichogin GA IV using EPR. <i>Biopolymers</i> , 2017, 108, e22913.	1.2	3
39	Innovative chemical synthesis and conformational hints on the lipopeptide liraglutide. <i>Journal of Peptide Science</i> , 2016, 22, 471-479.	0.8	13
40	Review conformation, self-aggregation, and membrane interaction of peptaibols as studied by pulsed electron double resonance spectroscopy. <i>Biopolymers</i> , 2016, 106, 6-24.	1.2	26
41	Endothiopeptides: A conformational overview. <i>Biopolymers</i> , 2016, 106, 697-713.	1.2	5
42	Are Two Better Than One? A New Approach for Multidentate Grafting of Peptides to a Gold Substrate. <i>Zeitschrift Fur Physikalische Chemie</i> , 2016, 230, 1351-1371.	1.4	1
43	Comparison of bactericidal and cytotoxic activities of trichogin analogs. <i>Data in Brief</i> , 2016, 6, 359-367.	0.5	5
44	Peptides on the Surface: Spin-Label EPR and PELDOR Study of Adsorption of the Antimicrobial Peptides Trichogin GA IV and Ampullosporin A on the Silica Nanoparticles. <i>Applied Magnetic Resonance</i> , 2016, 47, 309-320.	0.6	20
45	An EPR study of ampullosporin A, a medium-length peptaibiotic, in bicelles and vesicles. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 749-760.	1.3	9
46	Synthesis, Characterization, and Biological Evaluation of a Dual-Action Ligand Targeting β -Integrin and VEGF Receptors. <i>ChemistryOpen</i> , 2015, 4, 633-641.	0.9	25
47	4-Cyano-methyl-phenylalanine as a Spectroscopic Marker for the Investigation of Peptaibiotic-Membrane Interactions. <i>Chemistry and Biodiversity</i> , 2015, 12, 513-527.	1.0	9
48	Peptide β -turn: Literature Survey and Recent Progress. <i>Chemistry - A European Journal</i> , 2015, 21, 13866-13877.	1.7	15
49	The fluorescence and infrared absorption probe <i>para</i> -cyanophenylalanine: Effect of labeling on the behavior of different membrane-interacting peptides. <i>Biopolymers</i> , 2015, 104, 521-532.	1.2	6
50	Single and multiple peptide β -turns: literature survey and recent progress. <i>New Journal of Chemistry</i> , 2015, 39, 3208-3216.	1.4	25
51	Handedness preference and switching of peptide helices. Part II: Helices based on noncoded <i>anti</i> -amino acids. <i>Journal of Peptide Science</i> , 2015, 21, 148-177.	0.8	55
52	Peptide flatlandia: a new-concept peptide for positioning of electroactive probes in proximity to a metal surface. <i>Nanoscale</i> , 2015, 7, 15495-15506.	2.8	15
53	The peculiar N- and C-termini of trichogin GA IV are needed for membrane interaction and human cell death induction at doses lacking antibiotic activity. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2015, 1848, 134-144.	1.4	19
54	Electrophysiology Investigation of Trichogin GA IV Activity in Planar Lipid Membranes Reveals Ion Channels of Well-Defined Size. <i>Chemistry and Biodiversity</i> , 2014, 11, 1069-1077.	1.0	7

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55	¹³ C- ¹⁸ O/ ¹⁵ N Isotope Dependence of the Amide-I/II 2D IR Cross Peaks for the Fully Extended Peptides. <i>Journal of Physical Chemistry C</i> , 2014, 118, 29448-29457.	1.5	15
56	The 2.05-helix in hetero-oligopeptides entirely composed of C α -disubstituted glycines with both side chains longer than methyls. <i>Biopolymers</i> , 2014, 102, 145-158.	1.2	10
57	Cotton functionalized with peptides: characterization and synthetic methods. <i>Journal of Peptide Science</i> , 2014, 20, 547-553.	0.8	12
58	Mimicking Nature: A Novel Peptide-based Bio-inspired Approach for Solar Energy Conversion. <i>ChemPhysChem</i> , 2014, 15, 64-68.	1.0	32
59	Handedness preference and switching of peptide helices. Part I: Helices based on protein amino acids. <i>Journal of Peptide Science</i> , 2014, 20, 307-322.	0.8	49
60	A Quaternary Nitronyl Nitroxide α -Amino Acid: Synthesis, Configurational and Conformational Assignments, and Physicochemical Properties. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 1741-1752.	1.2	5
61	Synthesis and conformational properties of a TOAC doubly spin-labeled analog of the medium-length, membrane active peptaibiotic ampullosporin a as revealed by cd, fluorescence, and EPR spectroscopies. <i>Biopolymers</i> , 2014, 102, 40-48.	1.2	10
62	Synthesis and Conformational Study of Model Peptides Containing <i>N</i> -Substituted β -Aminoazetidine- β -carboxylic Acids. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 2312-2321.	1.2	16
63	Energetics of oxo- and thio-dipeptide formation via amino acid condensation: a systematic computational analysis. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 17515.	1.3	2
64	A single-residue substitution inhibits fibrillization of Ala-based pentapeptides. A spectroscopic and molecular dynamics investigation. <i>Soft Matter</i> , 2014, 10, 2508.	1.2	20
65	Photoinduced Electron Transfer through Peptide-Based Self-Assembled Monolayers Chemisorbed on Gold Electrodes: Directing the Flow-in and Flow-out of Electrons through Peptide Helices. <i>Journal of Physical Chemistry A</i> , 2014, 118, 6674-6684.	1.1	19
66	Aggregation propensity of Aib homo-peptides of different length: an insight from molecular dynamics simulations. <i>Journal of Peptide Science</i> , 2014, 20, 494-507.	0.8	16
67	Solution Synthesis, Conformational Analysis, and Antimicrobial Activity of Three Alamethicin F50/5 Analogs Bearing a Trifluoroacetyl Label. <i>Chemistry and Biodiversity</i> , 2014, 11, 1163-1191.	1.0	5
68	Peptides on the Surface. PELDOR Data for Spin-Labeled Alamethicin F50/5 Analogues on Organic Sorbent. <i>Journal of Physical Chemistry B</i> , 2014, 118, 7085-7090.	1.2	11
69	Looking for the peptide 2.0 ₅ -helix: A solvent- and main-chain length-dependent conformational switch probed by electron transfer across c α -diethylglycine homo-oligomers. <i>Biopolymers</i> , 2013, 100, 51-63.	1.2	14
70	Alamethicin in bicelles: Orientation, aggregation, and bilayer modification as a function of peptide concentration. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2013, 1828, 2620-2627.	1.4	35
71	All-Thioamidated Homo- α -Peptides: Synthesis and Conformation. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 3455-3463.	1.2	12
72	Spectroscopically labeled peptaibiotic analogs: the 4-nitrophenylalanine infrared absorption probe inserted at different positions into trichogin GA IV. <i>Journal of Peptide Science</i> , 2013, 19, 246-256.	0.8	6

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73	Spectroscopically Labeled Peptaibiotics. Synthesis and Properties of Selected Trichogin GA IV Analogs Bearing a Side-Chain Monofluorinated Aromatic Amino Acid for ¹⁹ F-NMR Analysis. <i>Chemistry and Biodiversity</i> , 2013, 10, 904-919.	1.0	7
74	3D Structure, Dynamics, and Activity of Synthetic Analog of the Peptaibiotic Trichodecenin I. <i>Chemistry and Biodiversity</i> , 2013, 10, 887-903.	1.0	7
75	Multiple, consecutive, fully-extended 2.0 ₅ -helix peptide conformation. <i>Biopolymers</i> , 2013, 100, 621-636.	1.2	43
76	Hydrophobic Aib/Ala peptides solubilize in water through formation of supramolecular assemblies. <i>Polymer Journal</i> , 2013, 45, 516-522.	1.3	6
77	Peptide-based rotaxanes and catenanes: an emerging class of supramolecular chemistry systems. <i>Biomolecular Concepts</i> , 2012, 3, 183-192.	1.0	3
78	2-Amino-1,2,3,6-tetrahydro-6-oxocyclopenta[<i>c</i>]fluorene-2-carboxylic Acid (FlAib), a Completely Rigidified, Fluorene-Based α -Amino Acid. <i>Helvetica Chimica Acta</i> , 2012, 95, 2446-2459.	1.0	4
79	Trichogin GA IV: A versatile template for the synthesis of novel peptaibiotics. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 1285-1299.	1.5	46
80	Novel peptide foldameric motifs: a step forward in our understanding of the fully-extended conformation/310-helix coexistence. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 2413.	1.5	24
81	The Lipid Dependence of Antimicrobial Peptide Activity Is an Unreliable Experimental Test for Different Pore Models. <i>Biochemistry</i> , 2012, 51, 10124-10126.	1.2	25
82	Toward the Selective Delivery of Chemotherapeutics into Tumor Cells by Targeting Peptide Transporters: Tailored Gold-Based Anticancer Peptidomimetics. <i>Journal of Medicinal Chemistry</i> , 2012, 55, 2212-2226.	2.9	56
83	Rational design of gold(III)-dithiocarbamate peptidomimetics for the targeted anticancer chemotherapy. <i>Journal of Inorganic Biochemistry</i> , 2012, 117, 248-260.	1.5	33
84	A Molecular View on the Role of Cholesterol upon Membrane Insertion, Aggregation, and Water Accessibility of the Antibiotic Lipopeptide Trichogin GA IV As Revealed by EPR. <i>Journal of Physical Chemistry B</i> , 2012, 116, 5653-5660.	1.2	24
85	Antimicrobial lipopeptaibol trichogin GA IV: role of the three Aib residues on conformation and bioactivity. <i>Amino Acids</i> , 2012, 43, 1761-1777.	1.2	29
86	Partial thioamide scan on the lipopeptaibiotic trichogin GA IV. Effects on folding and bioactivity. <i>Beilstein Journal of Organic Chemistry</i> , 2012, 8, 1161-1171.	1.3	10
87	Synthesis and preliminary conformational analysis of TOAC spin-labeled analogues of the medium-length peptaibiotic tylopeptin B. <i>Journal of Peptide Science</i> , 2012, 18, 37-44.	0.8	10
88	A solvent-dependent peptide spring unraveled by 2D-NMR. <i>Tetrahedron</i> , 2012, 68, 4429-4433.	1.0	16
89	Looking for a Robust, Synthetic, Fully-Extended (2.0 ₅ -Helical) Peptide Structure – Effect of Terminal Groups. <i>European Journal of Organic Chemistry</i> , 2012, 2012, 167-174.	1.2	15
90	<i>In Silico</i> Interpretation of cw-ESR at 9 and 95 GHz of Mono- and bis- TOAC-Labeled Aib-Homopeptides in Fluid and Frozen Acetonitrile. <i>Journal of Physical Chemistry B</i> , 2011, 115, 13026-13036.	1.2	5

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91	Experimental and Theoretical Spectroscopic Study of 3 ¹⁰ -Helical Peptides Using Isotopic Labeling to Evaluate Vibrational Coupling. <i>Journal of Physical Chemistry B</i> , 2011, 115, 6252-6264.	1.2	21
92	Chiral, fully extended helical peptides. <i>Amino Acids</i> , 2011, 41, 629-641.	1.2	32
93	Photocurrent generation through peptide-based self-assembled monolayers on a gold surface: antenna and junction effects. <i>Journal of Peptide Science</i> , 2011, 17, 124-131.	0.8	25
94	Comparison of distance information in [TOAC ¹ , Glu(OMe) ^{7, 18, 19}] alamethicin F50/5 from paramagnetic relaxation enhancement measurements with data obtained from an X-ray diffraction-based model. <i>Journal of Peptide Science</i> , 2011, 17, 377-382.	0.8	7
95	Synthesis, preferred conformation, protease stability, and membrane activity of heptaibin, a medium-length peptaibiotic. <i>Journal of Peptide Science</i> , 2011, 17, 585-594.	0.8	33
96	Triple Hyp [†] Pro replacement in integramide A, a peptaib inhibitor of HIV-1 integrase: Effect on conformation and bioactivity. <i>Biopolymers</i> , 2011, 96, 49-59.	1.2	3
97	The critical main-chain length for helix formation in water: Determined in a peptide series with alternating Aib and Ala residues exclusively and detected with ECD spectroscopy. <i>Chirality</i> , 2011, 23, 756-760.	1.3	22
98	Hypersensitive-Like Response to the Pore-Former Peptaibol Alamethicin in <i>Arabidopsis Thaliana</i> . <i>ChemBioChem</i> , 2010, 11, 2042-2049.	1.3	39
99	Electronic and vibrational signatures of peptide helical structures: A tribute to Anton Mario Tamburro. <i>Chirality</i> , 2010, 22, E30-9.	1.3	13
100	Total Synthesis, Characterization, and Conformational Analysis of the Naturally Occurring Hexadecapeptide Integramide...A and a Diastereomer. <i>Chemistry - A European Journal</i> , 2010, 16, 316-327.	1.7	20
101	Synthesis and Conformational Characterisation of Hexameric β -Peptide Foldamers by Using Double POAC Spin Labelling and cw-EPR. <i>Chemistry - A European Journal</i> , 2010, 16, 11160-11166.	1.7	8
102	Synthesis, Preferred Conformation, and Membrane Activity of Medium-Length Peptaibiotics: Tylopeptin B. <i>Chemical Biology and Drug Design</i> , 2010, 75, 169-181.	1.5	16
103	Raman Scattering Investigation of 3 ¹⁰ Helical Peptides Using Isotopic Labeling. , 2010, , .		0
104	Small-Amplitude Backbone Motions of the Spin-Labeled Lipopeptide Trichogin GA IV in a Lipid Membrane As Revealed by Electron Spin Echo. <i>Journal of Physical Chemistry B</i> , 2010, 114, 12277-12283.	1.2	26
105	A new tool for photoaffinity labeling studies: a partially constrained, benzophenone based, β -amino acid. <i>Organic and Biomolecular Chemistry</i> , 2010, 8, 3281.	1.5	10
106	Is the Backbone Conformation of C ^{\pm} -Methyl Proline Restricted to a Single Region?. <i>Chemistry - A European Journal</i> , 2009, 15, 8015-8025.	1.7	36
107	Complete Absolute Configuration of Integramide A, a Natural, 16-mer Peptide Inhibitor of HIV-1 Integrase, Elucidated by Total Synthesis. <i>ChemBioChem</i> , 2009, 10, 87-90.	1.3	10
108	Metal Binding Properties of Fluorescent Analogues of Trichogin GA-IV: A Conformational Study by Time-Resolved Spectroscopy and Molecular Mechanics Investigations. <i>ChemBioChem</i> , 2009, 10, 91-97.	1.3	18

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109	Photocurrent generation in peptide-based self-assembled monolayers on gold electrodes. Superlattices and Microstructures, 2009, 46, 34-39.	1.4	17
110	Trichogin GA IV: an antibacterial and protease-resistant peptide. Journal of Peptide Science, 2009, 15, 615-619.	0.8	55
111	Different mechanisms of action of antimicrobial peptides: insights from fluorescence spectroscopy experiments and molecular dynamics simulations. Journal of Peptide Science, 2009, 15, 550-558.	0.8	85
112	Structure of Self-Aggregated Alamethicin in ePC Membranes Detected by Pulsed Electron-Electron Double Resonance and Electron Spin Echo Envelope Modulation Spectroscopies. Biophysical Journal, 2009, 96, 3197-3209.	0.2	31
113	Alamethicin Topology in Phospholipid Membranes by Oriented Solid-state NMR and EPR Spectroscopies: a Comparison. Journal of Physical Chemistry B, 2009, 113, 3034-3042.	1.2	39
114	Synthesis and Conformational Studies of Novel, Side-Chain Protected, L-(aMe)Ser Homo-Peptides. Advances in Experimental Medicine and Biology, 2009, 611, 63-64.	0.8	1
115	N-Methylation of N ¹ -Acetylated, Fully C ¹ -Ethylated, Linear Peptides. International Journal of Peptide Research and Therapeutics, 2008, 14, 307-314.	0.9	4
116	Electroconductive and photocurrent generation properties of self-assembled monolayers formed by functionally constrained peptides on gold electrodes. Journal of Peptide Science, 2008, 14, 184-191.	0.8	36
117	Synthesis, Ion Complexation Study, and 3D Structural Analysis of Peptides Based on Crown-Carrier, N ¹ -Methyl-L-DOPA Amino Acids. European Journal of Organic Chemistry, 2008, 2008, 1224-1241.	1.2	6
118	C ¹ -Methyl proline: A unique example of split personality. Biopolymers, 2008, 89, 465-470.	1.2	16
119	First homo-peptides undergoing a reversible 3 ₁₀ -helix/helix transition: Critical main-chain length. Biopolymers, 2008, 90, 567-574.	1.2	34
120	Main-Chain Length Control of Conformation, Membrane Activity, and Antibiotic Properties of Lipo-peptaibol Sequential Analogues. Chemistry and Biodiversity, 2008, 5, 681-692.	1.0	10
121	Conformational Effects on the Electron-Transfer Efficiency in Peptide Foldamers Based on Disubstituted Glycyl Residues. Chemistry and Biodiversity, 2008, 5, 1263-1278.	1.0	29
122	Synthesis, resolution and assignment of absolute configuration of trans 3-amino-1-oxyl-2,2,5,5-tetramethylpyrrolidine-4-carboxylic acid (POAC), a cyclic, spin-labelled β -amino acid. Tetrahedron, 2008, 64, 4416-4426.	1.0	5
123	Onset of 3 ₁₀ -Helical Secondary Structure in Aib Oligopeptides Probed by Coherent 2D IR Spectroscopy. Journal of the American Chemical Society, 2008, 130, 6556-6566.	6.6	51
124	Unraveling Solvent-Driven Equilibria between β - and 3 ₁₀ -Helices through an Integrated Spin Labeling and Computational Approach. Journal of the American Chemical Society, 2007, 129, 11248-11258.	6.6	40
125	Self-Aggregation of Spin-Labeled Alamethicin in ePC Vesicles Studied by Pulsed Electron-Electron Double Resonance. Journal of the American Chemical Society, 2007, 129, 9260-9261.	6.6	33
126	Ab Initio Modeling of CW-ESR Spectra of the Double Spin Labeled Peptide Fmoc-(Aib-Aib-TOAC) ₂ -Aib-OME in Acetonitrile. Journal of Physical Chemistry B, 2007, 111, 2668-2674.	1.2	32

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127	Slowtert-butyl ester acidolysis and peptide 310-helix to $\hat{1}\pm$ -helix transition in HFIP solution. <i>Biopolymers</i> , 2007, 88, 233-238.	1.2	18
128	Total Syntheses in Solution of TOAC-Labelled Alamethicin F50/5 Analogues. <i>Chemistry and Biodiversity</i> , 2007, 4, 1183-1199.	1.0	22
129	Multinuclear Solid-State-NMR and FT-IR-Absorption Investigations on Lipid/Trichogin Bilayers. <i>Chemistry and Biodiversity</i> , 2007, 4, 1200-1218.	1.0	17
130	Conformational Analysis of TOAC-Labelled Alamethicin F50/5 Analogues. <i>Chemistry and Biodiversity</i> , 2007, 4, 1256-1268.	1.0	22
131	Supramolecular Structure of Self-Assembling Alamethicin Analog Studied by ESR and PELDOR. <i>Chemistry and Biodiversity</i> , 2007, 4, 1275-1298.	1.0	22
132	Synthesis of Enantiomerically Purecis- andtrans-4-Amino-1-oxyl-2,2,6,6-tetramethylpiperidine-3-carboxylic Acid: A Spin-Labelled, Cyclic, Chiral $\hat{1}^2$ -Amino Acid, and 3D-Structural Analysis of a Doubly Spin-Labelled $\hat{1}^2$ -Hexapeptide. <i>European Journal of Organic Chemistry</i> , 2007, 2007, 3133-3144.	1.2	14
133	Self-assembled peptide monolayers on interdigitated gold microelectrodes. <i>Materials Science and Engineering C</i> , 2007, 27, 1309-1312.	3.8	18
134	Crystal-state 3D-structural characterization of novel, Aib-based, turn and helical peptides. <i>Journal of Peptide Science</i> , 2007, 13, 190-205.	0.8	19
135	Peptide Folding Dynamics: A Time-Resolved Study from the Nanosecond to the Microsecond Time Regime. <i>Journal of Physical Chemistry B</i> , 2006, 110, 22834-22841.	1.2	30
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