

Claudio Toniolo

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

520
papers

14,649
citations

60
h-index

93
g-index

556
ext. papers

15,180
ext. citations

4.4
avg, IF

5.92
L-index

| # | Paper | IF | Citations |
|-----|--|-----|-----------|
| 520 | Peptide Self-Assembled Nanostructures: From Models to Therapeutic Peptides.. <i>Nanomaterials</i> , 2022 , 12, | 5.4 | 1 |
| 519 | Is Cys(MTSL) the Best β Amino Acid Residue to Electron Spin Labeling of Synthetically Accessible Peptide Molecules with Nitroxides?. <i>ACS Omega</i> , 2022 , 7, 5154-5165 | 3.9 | 1 |
| 518 | Probing the E/K Peptide Coiled-Coil Assembly by Double Electron-Electron Resonance and Circular Dichroism. <i>Biochemistry</i> , 2021 , 60, 19-30 | 3.2 | 1 |
| 517 | C-Methyl-L-valine: A Preferential Choice over β Aminoisobutyric Acid for Designing Right-Handed β Helical Scaffolds. <i>Biochemistry</i> , 2021 , 60, 2704-2714 | 3.2 | |
| 516 | Insights into the Distance Dependence of Electron Transfer through Conformationally Constrained Peptides. <i>ChemElectroChem</i> , 2020 , 7, 1225-1237 | 4.3 | 5 |
| 515 | From Amherst (Massachusetts, USA) to Padua (Italy) and back again: Louis A. Carpino's scientifically productive journey. <i>Peptide Science</i> , 2020 , 112, e24153 | 3 | |
| 514 | Effect on the Conformation of a Terminally Blocked, () β Unsaturated β Amino Acid Residue Induced by Carbon Methylation. <i>Journal of Organic Chemistry</i> , 2020 , 85, 1513-1524 | 4.2 | 2 |
| 513 | Influence of the C-terminal substituent on the crystal-state conformation of Adm peptides. <i>Peptide Science</i> , 2020 , 112, e24121 | 3 | 1 |
| 512 | Trichogin GA IV Alignment and Oligomerization in Phospholipid Bilayers. <i>ChemBioChem</i> , 2019 , 20, 2141-2150 | 3.5 | 6 |
| 511 | Isolated β Turn and incipient β Helix. <i>Chemical Science</i> , 2019 , 10, 6908-6914 | 9.4 | 4 |
| 510 | Heterochiral Ala/(Me)Aze sequential oligopeptides: Synthesis and conformational study. <i>Journal of Peptide Science</i> , 2019 , 25, e3165 | 2.1 | 1 |
| 509 | Controlling the Formation of Peptide Films: Fully Developed Helical Peptides are Required to Obtain a Homogenous Coating over a Large Area. <i>ChemPlusChem</i> , 2019 , 84, 1688-1696 | 2.8 | 3 |
| 508 | Electron spin echo detection of stochastic molecular librations: Non-cooperative motions on solid surface. <i>Journal of Magnetic Resonance</i> , 2019 , 309, 106621 | 3 | 4 |
| 507 | Peptide antibiotic trichogin in model membranes: Self-association and capture of fatty acids. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2019 , 1861, 524-531 | 3.8 | 12 |
| 506 | The fully-extended conformation in peptides and proteins. <i>Peptide Science</i> , 2018 , 110, e23100 | 3 | 5 |
| 505 | Alamethicin self-assembling in lipid membranes: concentration dependence from pulsed EPR of spin labels. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 3592-3601 | 3.6 | 7 |
| 504 | From self-assembled peptide-ynes to peptide polyacetylenes and polydiacetylenes. <i>Peptide Science</i> , 2018 , 110, e24036 | 3 | 2 |

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| 503 | 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 | 3 | 5 |
| 502 | A novel peptide conformation: the E-bend ribbon. <i>Organic and Biomolecular Chemistry</i> , 2018 , 16, 7947-7958 | 3.9 | 5 |
| 501 | Low-Temperature Dynamical Transition in Lipid Bilayers Detected by Spin-Label ESE Spectroscopy. <i>Applied Magnetic Resonance</i> , 2018 , 49, 1369-1383 | 0.8 | 6 |
| 500 | 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 | 3.4 | 8 |
| 499 | The importance of being Aib. Aggregation and self-assembly studies on conformationally constrained oligopeptides. <i>Journal of Peptide Science</i> , 2017 , 23, 104-116 | 2.1 | 14 |
| 498 | En route towards the peptide E-helix: X-ray diffraction analyses and conformational energy calculations of Adm-rich short peptides. <i>Journal of Peptide Science</i> , 2017 , 23, 346-362 | 2.1 | 8 |
| 497 | Integrated Computational Approach to the Electron Paramagnetic Resonance Characterization of Rigid 3-Helical Peptides with TOAC Nitroxide Spin Labels. <i>Journal of Physical Chemistry B</i> , 2017 , 121, 4379-4387 | 3.4 | 4 |
| 496 | Tuning morphological architectures generated through living supramolecular assembly of a helical foldamer end-capped with two complementary nucleobases. <i>Soft Matter</i> , 2017 , 13, 4231-4240 | 3.6 | 8 |
| 495 | Synthesis of Intrinsically Blue-Colored bis-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 | 4.2 | 6 |
| 494 | Light-driven topochemical polymerization under organogel conditions of a symmetrical dipeptide-diacetylene system. <i>Journal of Peptide Science</i> , 2017 , 23, 155-161 | 2.1 | 2 |
| 493 | Intramolecular backbone-backbone hydrogen bonds in polypeptide conformations. The other way around: e-turn. <i>Biopolymers</i> , 2017 , 108, e22911 | 2.2 | 6 |
| 492 | 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 | 2.2 | 3 |
| 491 | 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> , 2017 , 110, e23083 | 3 | 5 |
| 490 | A terminally protected dipeptide: from crystal structure and self-assembly, through co-assembly with carbon-based materials, to a ternary catalyst for reduction chemistry in water. <i>Soft Matter</i> , 2016 , 12, 238-45 | 3.6 | 17 |
| 489 | Conformational flexibility of aspartame. <i>Biopolymers</i> , 2016 , 106, 376-84 | 2.2 | 4 |
| 488 | 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 | 0.8 | 19 |
| 487 | An EPR study of ampullosporin A, a medium-length peptaibiotic, in bicelles and vesicles. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 749-60 | 3.6 | 6 |
| 486 | Innovative chemical synthesis and conformational hints on the lipopeptide liraglutide. <i>Journal of Peptide Science</i> , 2016 , 22, 471-9 | 2.1 | 11 |

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| 485 | Alamethicin Supramolecular Organization in Lipid Membranes from F Solid-State NMR. <i>Biophysical Journal</i> , 2016 , 111, 2450-2459 | 2.9 | 22 |
| 484 | Conformation, self-aggregation, and membrane interaction of peptaibols as studied by pulsed electron double resonance spectroscopy. <i>Biopolymers</i> , 2016 , 106, 6-24 | 2.2 | 19 |
| 483 | Endothiopeptides: A conformational overview. <i>Biopolymers</i> , 2016 , 106, 697-713 | 2.2 | 3 |
| 482 | Peptide flatlandia: a new-concept peptide for positioning of electroactive probes in proximity to a metal surface. <i>Nanoscale</i> , 2015 , 7, 15495-506 | 7.7 | 11 |
| 481 | Helical screw-sense preferences of peptides based on chiral, C ₂ -tetrasubstituted α -amino acids. <i>Biopolymers</i> , 2015 , 104, 46-64 | 2.2 | 61 |
| 480 | 4-Cyano- β -methyl-l-phenylalanine as a spectroscopic marker for the investigation of peptaibiotic-membrane interactions. <i>Chemistry and Biodiversity</i> , 2015 , 12, 513-27 | 2.5 | 7 |
| 479 | Peptide Turn: Literature Survey and Recent Progress. <i>Chemistry - A European Journal</i> , 2015 , 21, 13866-74.8 | 7.8 | 12 |
| 478 | The fluorescence and infrared absorption probe para-cyanophenylalanine: Effect of labeling on the behavior of different membrane-interacting peptides. <i>Biopolymers</i> , 2015 , 104, 521-32 | 2.2 | 6 |
| 477 | Single and multiple peptide Turns: literature survey and recent progress. <i>New Journal of Chemistry</i> , 2015 , 39, 3208-3216 | 3.6 | 21 |
| 476 | Handedness preference and switching of peptide helices. Part II: Helices based on noncoded α -amino acids. <i>Journal of Peptide Science</i> , 2015 , 21, 148-77 | 2.1 | 43 |
| 475 | 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 | 3.2 | 5 |
| 474 | 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, 40-8 | 2.2 | 10 |
| 473 | Photoresponsive Supramolecular Architectures Based on Polypeptide Hybrids. <i>Macromolecules</i> , 2014 , 47, 7272-7283 | 5.5 | 11 |
| 472 | A single-residue substitution inhibits fibrillization of Ala-based pentapeptides. A spectroscopic and molecular dynamics investigation. <i>Soft Matter</i> , 2014 , 10, 2508-19 | 3.6 | 17 |
| 471 | 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, 6674-84 | 2.8 | 15 |
| 470 | 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 | 2.1 | 15 |
| 469 | Solution synthesis, conformational analysis, and antimicrobial activity of three alamethicin F50/5 analogs bearing a trifluoroacetyl label. <i>Chemistry and Biodiversity</i> , 2014 , 11, 1163-91 | 2.5 | 5 |
| 468 | Interaction of hydrophobic and amphipathic antimicrobial peptides with lipid bicelles. <i>Journal of Peptide Science</i> , 2014 , 20, 517-25 | 2.1 | 21 |

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| 467 | 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, 7085-90 | 3.4 | 11 |
| 466 | 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, 1069-77 | 2.5 | 7 |
| 465 | 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 | 3.8 | 12 |
| 464 | The 2.0 θ helix in hetero-oligopeptides entirely composed of C(β)-disubstituted glycines with both side chains longer than methyls. <i>Biopolymers</i> , 2014 , 102, 145-58 | 2.2 | 10 |
| 463 | Enhancement of the helical content and stability induced in a linear oligopeptide by an i, i+4 intramolecularly double stapled, overlapping, bicyclic [31, 22, 5]-(E)ene motif. <i>Biopolymers</i> , 2014 , 102, 115-23 | 2.2 | 8 |
| 462 | Conformation and EPR characterization of rigid, 310 -helical peptides with TOAC spin labels: Models for short distances. <i>Biopolymers</i> , 2014 , 102, 244-51 | 2.2 | 4 |
| 461 | Mimicking nature: a novel peptide-based bio-inspired approach for solar energy conversion. <i>ChemPhysChem</i> , 2014 , 15, 64-8 | 3.2 | 27 |
| 460 | Handedness preference and switching of peptide helices. Part I: Helices based on protein amino acids. <i>Journal of Peptide Science</i> , 2014 , 20, 307-22 | 2.1 | 45 |
| 459 | Chemistry of Peptide Materials 2013 , 39-63 | | 2 |
| 458 | Looking for the peptide 2.0(5) -helix: a solvent- and main-chain length-dependent conformational switch probed by electron transfer across c(β)-diethylglycine homo-oligomers. <i>Biopolymers</i> , 2013 , 100, 51-63 | 2.2 | 10 |
| 457 | New bis-ferrocenyl end-capped peptides: synthesis and charge transfer properties. <i>Biopolymers</i> , 2013 , 100, 14-24 | 2.2 | 12 |
| 456 | All-Thioamidated Homo- β -Peptides: Synthesis and Conformation. <i>European Journal of Organic Chemistry</i> , 2013 , 2013, 3455-3463 | 3.2 | 12 |
| 455 | 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, 246-56 | 2.1 | 6 |
| 454 | 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, 904-19 | 2.5 | 6 |
| 453 | 3D structure, dynamics, and activity of synthetic analog of the peptaibiotic trichodecenin I. <i>Chemistry and Biodiversity</i> , 2013 , 10, 887-903 | 2.5 | 7 |
| 452 | Multiple, consecutive, fully-extended 2.0 θ helix peptide conformation. <i>Biopolymers</i> , 2013 , 100, 621-36 | 2.2 | 36 |
| 451 | Self-association of an enantiopure β -pentapeptide in nematic liquid crystals. <i>Chemistry - A European Journal</i> , 2013 , 19, 17963-8 | 4.8 | 1 |
| 450 | Hydrophobic Aib/Ala peptides solubilize in water through formation of supramolecular assemblies. <i>Polymer Journal</i> , 2013 , 45, 516-522 | 2.7 | 5 |

- 449 Photocontrolled self-assembly of a bis-azobenzene-containing α -amino acid. *Chemistry - A European Journal*, **2013**, 19, 15841-6 4.8 8
- 448 A solvent-dependent peptide spring unraveled by 2D-NMR. *Tetrahedron*, **2012**, 68, 4429-4433 2.4 15
- 447 Looking for a Robust, Synthetic, Fully-Extended (2.05-Helical) Peptide Structure [Effect of Terminal Groups. *European Journal of Organic Chemistry*, **2012**, 2012, 167-174 3.2 15
- 446 Isoleucine in naturally occurring peptides: A nondestructive methodology for configurational assignment. *Biopolymers*, **2012**, 98, 36-49 2.2 17
- 445 2-Amino-1,2,3,6-tetrahydro-6-oxocyclopenta[c]fluorene-2-carboxylic Acid (FlAib), a Completely Rigidified, Fluorene-9-one-Based α -Amino Acid. *Helvetica Chimica Acta*, **2012**, 95, 2446-2459 2 4
- 444 Trichogin GA IV: a versatile template for the synthesis of novel peptaibiotics. *Organic and Biomolecular Chemistry*, **2012**, 10, 1285-99 3.9 42
- 443 Novel peptide foldameric motifs: a step forward in our understanding of the fully-extended conformation/3(10)-helix coexistence. *Organic and Biomolecular Chemistry*, **2012**, 10, 2413-21 3.9 24
- 442 Factors governing the conformational tendencies of C β -methylated α -amino acids: chirality and side-chain size effects. *Journal of Physical Chemistry B*, **2012**, 116, 13297-307 3.4 8
- 441 The lipid dependence of antimicrobial peptide activity is an unreliable experimental test for different pore models. *Biochemistry*, **2012**, 51, 10124-6 3.2 21
- 440 Electronic Circular Dichroism of Peptides **2012**, 499-544 29
- 439 Electronic Circular Dichroism of Peptidomimetics **2012**, 545-574 3
- 438 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. *Journal of Physical Chemistry B*, **2012**, 116, 5653-60 3.4 20
- 437 Antimicrobial lipopeptaibol trichogin GA IV: role of the three Aib residues on conformation and bioactivity. *Amino Acids*, **2012**, 43, 1761-77 3.5 24
- 436 Partial thioamide scan on the lipopeptaibiotic trichogin GA IV. Effects on folding and bioactivity. *Beilstein Journal of Organic Chemistry*, **2012**, 8, 1161-71 2.5 10
- 435 Synthesis and preliminary conformational analysis of TOAC spin-labeled analogues of the medium-length peptaibiotic tylopeptin B. *Journal of Peptide Science*, **2012**, 18, 37-44 2.1 9
- 434 A synthetic hexapeptide designed to resemble a proteinaceous P-loop nest is shown to bind inorganic phosphate. *Proteins: Structure, Function and Bioinformatics*, **2012**, 80, 1418-24 4.2 37
- 433 Peptide-based rotaxanes and catenanes: an emerging class of supramolecular chemistry systems. *Biomolecular Concepts*, **2012**, 3, 183-92 3.7 2
- 432 Chiral, fully extended helical peptides. *Amino Acids*, **2011**, 41, 629-41 3.5 30

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| 431 | Photocurrent generation through peptide-based self-assembled monolayers on a gold surface: antenna and junction effects. <i>Journal of Peptide Science</i> , 2011 , 17, 124-31 | 2.1 | 22 |
| 430 | 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, 377-82 | 2.1 | 6 |
| 429 | Synthesis, preferred conformation, protease stability, and membrane activity of heptaibin, a medium-length peptaibiotic. <i>Journal of Peptide Science</i> , 2011 , 17, 585-94 | 2.1 | 28 |
| 428 | 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 | 2.2 | 3 |
| 427 | Synthesis and self-assembly of oligo(p-phenylenevinylene) peptide conjugates in water. <i>Chemistry - A European Journal</i> , 2011 , 17, 2044-7 | 4.8 | 37 |
| 426 | Bis(azobenzene)-based photoswitchable, prochiral, C ₂ -tetrasubstituted amino acids for nanomaterials applications. <i>Chemistry - A European Journal</i> , 2011 , 17, 12606-11 | 4.8 | 9 |
| 425 | 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, 756-60 | 2.1 | 21 |
| 424 | Linear and two-dimensional infrared spectroscopic study of the amide I and II modes in fully extended peptide chains. <i>Journal of Physical Chemistry B</i> , 2011 , 115, 5168-82 | 3.4 | 45 |
| 423 | Charge mapping in 3(10)-helical peptide chains by oxidation of the terminal ferrocenyl group. <i>Organic Letters</i> , 2011 , 13, 1282-5 | 6.2 | 18 |
| 422 | In silico 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, 13026-36 | 3.4 | 4 |
| 421 | 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, 6252-64 | 3.4 | 19 |
| 420 | Synthesis, preferred conformation, and membrane activity of medium-length peptaibiotics: tylopeptin B. <i>Chemical Biology and Drug Design</i> , 2010 , 75, 169-81 | 2.9 | 15 |
| 419 | 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, 12277-83 | 3.4 | 23 |
| 418 | Vibrational energy transport through a capping layer of appropriately designed peptide helices over gold nanoparticles. <i>Nano Letters</i> , 2010 , 10, 3057-61 | 11.5 | 29 |
| 417 | Concerning selectivity in the oxidation of peptides by dioxiranes. Further insight into the effect of carbamate protecting groups. <i>Journal of Organic Chemistry</i> , 2010 , 75, 4812-6 | 4.2 | 23 |
| 416 | Peptide Foldamers: From Spectroscopic Studies to Applications. <i>Reviews in Fluorescence</i> , 2010 , 405-424 | | o |
| 415 | A new tool for photoaffinity labeling studies: a partially constrained, benzophenone based, alpha-amino acid. <i>Organic and Biomolecular Chemistry</i> , 2010 , 8, 3281-6 | 3.9 | 10 |
| 414 | Hypersensitive-like response to the pore-former peptaibol alamethicin in <i>Arabidopsis thaliana</i> . <i>ChemBioChem</i> , 2010 , 11, 2042-9 | 3.8 | 32 |

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| 413 | Electronic and vibrational signatures of peptide helical structures: A tribute to Anton Mario Tamburro. <i>Chirality</i> , 2010 , 22 Suppl 1, E30-9 | 2.1 | 12 |
| 412 | Total synthesis, characterization, and conformational analysis of the naturally occurring hexadecapeptide integramide A and a diastereomer. <i>Chemistry - A European Journal</i> , 2010 , 16, 316-27 | 4.8 | 18 |
| 411 | Synthesis and conformational characterisation of hexameric peptide foldamers by using double POAC spin labelling and cw-EPR. <i>Chemistry - A European Journal</i> , 2010 , 16, 11160-6 | 4.8 | 8 |
| 410 | Configurational assignment of D- and L-isovalines in intact, natural, and synthetic peptides by 2D-NMR spectroscopy. <i>Chemistry and Biodiversity</i> , 2010 , 7, 1612-24 | 2.5 | 9 |
| 409 | Building a bridge between peptide chemistry and organic chemistry: intramolecular macrocyclization reactions and supramolecular chemistry with helical peptide substrates. <i>Biopolymers</i> , 2010 , 94, 721-32 | 2.2 | 14 |
| 408 | PROTAMINES. <i>International Journal of Peptide and Protein Research</i> , 2009 , 14, 143-152 | | 12 |
| 407 | Conformation of linear homo-oligoprolines. <i>International Journal of Peptide and Protein Research</i> , 2009 , 20, 312-319 | | 7 |
| 406 | Structure, solubility and reactivity of peptides. <i>International Journal of Peptide and Protein Research</i> , 2009 , 30, 232-239 | | 13 |
| 405 | Methylene chloride-soluble and insoluble ureines An X-ray diffraction, infrared absorption, and proton magnetic resonance study. <i>International Journal of Peptide and Protein Research</i> , 2009 , 31, 77-85 | | 9 |
| 404 | Photoinduced intramolecular macrocyclization reaction between a Bpa and a Met residue in a helical peptide: 3D structures of the diastereomeric products. <i>Chemistry - A European Journal</i> , 2009 , 15, 67-70 | 4.8 | 13 |
| 403 | Is the backbone conformation of C(alpha)-methyl proline restricted to a single region?. <i>Chemistry - A European Journal</i> , 2009 , 15, 8015-25 | 4.8 | 33 |
| 402 | 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 | 3.8 | 9 |
| 401 | 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, 91-7 | 3.8 | 16 |
| 400 | The state of the art of chemical biology. <i>ChemBioChem</i> , 2009 , 10, 16-29 | 3.8 | 38 |
| 399 | A Rigid Helical Peptide Axle for a [2]Rotaxane Molecular Machine. <i>Angewandte Chemie</i> , 2009 , 121, 9148-9151 | 3.6 | 11 |
| 398 | A rigid helical peptide axle for a [2]rotaxane molecular machine. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 8986-9 | 16.4 | 29 |
| 397 | Photocurrent generation in peptide-based self-assembled monolayers on gold electrodes. <i>Superlattices and Microstructures</i> , 2009 , 46, 34-39 | 2.8 | 13 |
| 396 | Trichogin GA IV: an antibacterial and protease-resistant peptide. <i>Journal of Peptide Science</i> , 2009 , 15, 615-9 | 2.1 | 46 |

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| 395 | Different mechanisms of action of antimicrobial peptides: insights from fluorescence spectroscopy experiments and molecular dynamics simulations. <i>Journal of Peptide Science</i> , 2009 , 15, 550-8 | 2.1 | 72 |
| 394 | Sensitivity of 2D IR spectra to peptide helicity: a concerted experimental and simulation study of an octapeptide. <i>Journal of Physical Chemistry B</i> , 2009 , 113, 12037-49 | 3.4 | 39 |
| 393 | Vibrational energy transport in peptide helices after excitation of C-D modes in Leu-d10. <i>Journal of Physical Chemistry B</i> , 2009 , 113, 13393-7 | 3.4 | 48 |
| 392 | Toward detecting the formation of a single helical turn by 2D IR cross peaks between the amide-I and -II modes. <i>Journal of Physical Chemistry B</i> , 2009 , 113, 11775-86 | 3.4 | 31 |
| 391 | Structure of self-aggregated alamethicin in ePC membranes detected by pulsed electron-electron double resonance and electron spin echo envelope modulation spectroscopies. <i>Biophysical Journal</i> , 2009 , 96, 3197-209 | 2.9 | 30 |
| 390 | Couplings between peptide linkages across a 3(10)-helical hydrogen bond revealed by two-dimensional infrared spectroscopy. <i>Journal of the American Chemical Society</i> , 2009 , 131, 2042-3 | 16.4 | 45 |
| 389 | Alamethicin topology in phospholipid membranes by oriented solid-state NMR and EPR spectroscopies: a comparison. <i>Journal of Physical Chemistry B</i> , 2009 , 113, 3034-42 | 3.4 | 38 |
| 388 | Energy transport in peptide helices around the glass transition. <i>Springer Series in Chemical Physics</i> , 2009 , 532-534 | 0.3 | |
| 387 | Dynamical transition in a small helical peptide and its implication for vibrational energy transport. <i>Journal of Physical Chemistry B</i> , 2009 , 113, 13405-9 | 3.4 | 41 |
| 386 | First Homo-Peptides Undergoing a Reversible 310-Helix to α -Helix Transition. <i>Advances in Experimental Medicine and Biology</i> , 2009 , 49-50 | 3.6 | |
| 385 | Photoinduced intramolecular covalent bond formation in structurally rigid -Bpa-(spacer)-Met hexapeptides. <i>Advances in Experimental Medicine and Biology</i> , 2009 , 611, 449-50 | 3.6 | |
| 384 | Monitoring peptide folding by time-resolved spectroscopies: the effect of a single Gly to Aib substitution. <i>Advances in Experimental Medicine and Biology</i> , 2009 , 611, 47-8 | 3.6 | |
| 383 | Chain Length Dependence of Two-Dimensional Infrared Spectral Pattern Characteristic to 310-Helix Peptides. <i>Springer Series in Chemical Physics</i> , 2009 , 415-417 | 0.3 | |
| 382 | The Bip Method for Spectroscopic Assignment of the Absolute Configuration of the Spin-Labelled, Cyclic α , β -Amino Acids α -TOAC and POAC. <i>Advances in Experimental Medicine and Biology</i> , 2009 , 29-30 | 3.6 | |
| 381 | Antimicrobial peptides chelating lanthanide ions: the case of trichogin GA IV analogues and terbium(III). <i>Advances in Experimental Medicine and Biology</i> , 2009 , 611, 43-4 | 3.6 | 1 |
| 380 | Spectroscopic characterization of the fully-extended, planar, peptide 2.0(5)-helix based on chiral, α -ethylated, α -amino acids. <i>Advances in Experimental Medicine and Biology</i> , 2009 , 611, 45-6 | 3.6 | 1 |
| 379 | Synthesis and conformational studies of novel, side-chain protected, L-(α -Me)Ser homo-peptides. <i>Advances in Experimental Medicine and Biology</i> , 2009 , 611, 63-4 | 3.6 | 1 |
| 378 | The Bip method, based on the induced circular dichroism of a flexible biphenyl probe in terminally protected -Bip-Xaa*- dipeptides, for assignment of the absolute configuration of beta-amino acids. <i>Journal of the American Chemical Society</i> , 2008 , 130, 5986-92 | 16.4 | 51 |

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