

Marco Crisma

List of Publications by Year in descending order

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244
papers

6,403
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66234

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114278

63
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247
all docs

247
docs citations

247
times ranked

4043
citing authors

#	ARTICLE	IF	CITATIONS
1	Energy transport in peptide helices. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 12749-12754.	3.3	179
2	Structure determination of racemic trichogin A IV using centrosymmetric crystals. Nature Structural and Molecular Biology, 1994, 1, 908-914.	3.6	136
3	Peptide helices based on $\hat{\pm}$ -amino acids. Biopolymers, 2006, 84, 3-12.	1.2	136
4	Conformational Characterization of Terminally Blocked l -($\hat{\pm}$ Me)Val Homopeptides Using Vibrational and Electronic Circular Dichroism. 310-Helical Stabilization by Peptide $\hat{\pm}$ Peptide Interaction. Journal of the American Chemical Society, 1997, 119, 10278-10285.	6.6	134
5	Lipopeptaibols, a novel family of membrane active, antimicrobial peptides. Cellular and Molecular Life Sciences, 2001, 58, 1179-1188.	2.4	131
6	ESR Characterization of Hexameric, Helical Peptides Using Double TOAC Spin Labeling. Journal of the American Chemical Society, 1996, 118, 7618-7625.	6.6	116
7	TOAC, a nitroxide spin-labeled, achiral $C\hat{\pm}$ -tetrasubstituted $\hat{\pm}$ -amino acid, is an excellent tool in material science and biochemistry. , 1998, 47, 153-158.		108
8	Synthesis and conformational studies of peptides containing TOAC, a spin-labelled $C\hat{\pm}$, $\hat{\pm}$ -disubstituted glycine. Journal of Peptide Science, 1995, 1, 45-57.	0.8	103
9	Energy Transport in Peptide Helices: A Comparison between High- and Low-Energy Excitations. Journal of Physical Chemistry B, 2008, 112, 9091-9099.	1.2	92
10	Effect of $N\hat{\pm}$ -Acyl Chain Length on the Membrane-Modifying Properties of Synthetic Analogs of the Lipopeptaibol Trichogin GA IV. Journal of the American Chemical Society, 1996, 118, 4952-4958.	6.6	90
11	Characterization at atomic resolution of peptide helical structures. Biopolymers, 1992, 32, 453-456.	1.2	88
12	Peptide Helices as Rigid Molecular Rulers: A Conformational Study of Isotactic Homopeptides from $\hat{\pm}$ - $\hat{\pm}$ -Methyl $\hat{\pm}$ - $\hat{\pm}$ -isopropylglycine, [$L\hat{\pm}$ ($\hat{\pm}$ Me)Val] _n . Chemistry - A European Journal, 1996, 2, 1104-1111.		88
13	Orientation and immersion depth of a helical lipopeptaibol in membranes using TOAC as an ESR probe. , 1999, 50, 239-253.		86
14	The longest, regular polypeptide 310 helix at atomic resolution. Journal of Molecular Biology, 1990, 214, 633-635.	2.0	85
15	Distinguishing Helix Conformations in Alanine-Rich Peptides Using the Unnatural Amino Acid TOAC and Electron Spin Resonance. Journal of the American Chemical Society, 1996, 118, 271-272.	6.6	85
16	Discriminating 310- from γ -helices: Vibrational and electronic CD and IR absorption study of related Aib-containing oligopeptides. Biopolymers, 2002, 65, 229-243.	1.2	85
17	A Bimetallic Helical Heptapeptide as a Transphosphorylation Catalyst in Water. Journal of the American Chemical Society, 1999, 121, 6948-6949.	6.6	84
18	Trichogin: a paradigm for lipopeptaibols. Journal of Peptide Science, 2003, 9, 679-689.	0.8	83

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19	The Secondary Structure of a Membrane-Modifying Peptide in a Supramolecular Assembly Studied by PELDOR and CW-ESR Spectroscopies. <i>Journal of the American Chemical Society</i> , 2001, 123, 3784-3789.	6.6	77
20	Facile and E-Selective Intramolecular Ring-Closing Metathesis Reactions in 310-Helical Peptides: A 3D Structural Study. <i>Journal of the American Chemical Society</i> , 2007, 129, 6986-6987.	6.6	73
21	Helical screw sense preferences of peptides based on chiral, C ^α -tetrasubstituted α -amino acids. <i>Biopolymers</i> , 2015, 104, 46-64.	1.2	72
22	Self-Assembling Properties of Membrane-Modifying Peptides Studied by PELDOR and CW-ESR Spectroscopies. <i>Journal of the American Chemical Society</i> , 2000, 122, 3843-3848.	6.6	70
23	Determining the occurrence of a 3 ₁₀ -helix and an α -helix in two different segments of a lipopeptaibol antibiotic using TOAC, a nitroxide spin-labeled C ^α -tetrasubstituted α -amino acid. <i>Bioorganic and Medicinal Chemistry</i> , 1999, 7, 119-131.	1.4	68
24	Molecular spacers for physicochemical investigations based on novel helical and extended peptide structures. <i>Biopolymers</i> , 2004, 76, 162-176.	1.2	68
25	Flat Peptides. <i>Journal of the American Chemical Society</i> , 1999, 121, 3272-3278.	6.6	67
26	Helical Foldamers Incorporating Photoswitchable Residues for Light-Mediated Modulation of Conformational Preference. <i>Journal of the American Chemical Society</i> , 2016, 138, 8007-8018.	6.6	62
27	Concomitant Occurrence of Peptide 310- and α -Helices Probed by NMR. <i>Journal of the American Chemical Society</i> , 2000, 122, 11735-11736.	6.6	59
28	Turn and Helical Peptide Handedness Governed Exclusively by Side-Chain Chiral Centers. <i>Journal of the American Chemical Society</i> , 2005, 127, 2036-2037.	6.6	59
29	Pseudopeptide Foldamers: The Homo-Oligomers of Pyroglutamic Acid. <i>Chemistry - A European Journal</i> , 2002, 8, 2516.	1.7	55
30	Handedness preference and switching of peptide helices. Part II: Helices based on noncoded α -amino acids. <i>Journal of Peptide Science</i> , 2015, 21, 148-177.	0.8	55
31	Structural versatility of peptides containing C ^α , β -dialkylated glycines. An X-ray diffraction study of six 1-aminocyclopropane-1-carboxylic acid rich peptides. <i>International Journal of Biological Macromolecules</i> , 1989, 11, 353-360.	3.6	53
32	Structural Flexibility of a Helical Peptide Regulates Vibrational Energy Transport Properties. <i>Journal of Physical Chemistry B</i> , 2008, 112, 15487-15492.	1.2	53
33	First Step Toward the Quantitative Identification of Peptide 310-Helix Conformation with NMR Spectroscopy: A NMR and X-ray Diffraction Structural Analysis of a Fully-Developed 310-Helical Peptide Standard. <i>Journal of the American Chemical Society</i> , 1998, 120, 4763-4770.	6.6	51
34	The antimicrobial peptide trichogin and its interaction with phospholipid membranes. <i>FEBS Journal</i> , 1999, 266, 1021-1028.	0.2	51
35	Vibrational Energy Transport in Peptide Helices after Excitation of C ^α D Modes in Leu- ₁₀ . <i>Journal of Physical Chemistry B</i> , 2009, 113, 13393-13397.	1.2	50
36	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

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37	Characterization of β -bend ribbon spiral forming peptides using electronic and vibrational CD. <i>Biopolymers</i> , 1995, 35, 103-111.	1.2	48
38	Nitroxyl Peptides as Catalysts of Enantioselective Oxidations. <i>Chemistry - A European Journal</i> , 2002, 8, 84-93.	1.7	48
39	Peptide β -Helix Dimorphism in the Crystal State. <i>Journal of the American Chemical Society</i> , 2007, 129, 15471-15473.	6.6	48
40	Dynamical Transition in a Small Helical Peptide and Its Implication for Vibrational Energy Transport. <i>Journal of Physical Chemistry B</i> , 2009, 113, 13405-13409.	1.2	46
41	Structural versatility of peptides from β -dialkylated glycines: a conformational energy calculation and X-ray diffraction study of homopeptides from 1-aminocyclopentane-1-carboxylic acid. <i>International Journal of Biological Macromolecules</i> , 1988, 10, 292-299.	3.6	45
42	β -Dehydro-amino acid residues in the design of peptide structures. Molecular and crystal structures of two folded dehydro peptides. <i>International Journal of Biological Macromolecules</i> , 1992, 14, 23-28.	3.6	44
43	Bioactive and model peptides characterized by the helicogenic (β -Me)Phe residue. <i>Tetrahedron</i> , 1993, 49, 3641-3653.	1.0	44
44	Preferred conformation of peptides rich in alicyclic β -disubstituted glycines. , 1996, 40, 519-522.		44
45	Multiple, consecutive, fully β -extended $2.0 \times 5 \beta$ -helix peptide conformation. <i>Biopolymers</i> , 2013, 100, 621-636.	1.2	43
46	New aspartame-like sweeteners containing L-(β -Me)Phe. <i>Bioorganic and Medicinal Chemistry Letters</i> , 1992, 2, 453-456.	1.0	42
47	Solution Structures of TOAC-Labeled Trichogin GA IV Peptides from Allowed ($g \approx 2$) and Half-Field Electron Spin Resonance. <i>Journal of the American Chemical Society</i> , 1999, 121, 6919-6927.	6.6	42
48	Long, Chiral Polypeptide 310-Helices at Atomic Resolution. <i>Journal of Biomolecular Structure and Dynamics</i> , 1988, 5, 803-817.	2.0	41
49	The p-bromobenzamido chromophore as a circular dichroic probe for the assignment of the screw sense of helical peptides. <i>Tetrahedron: Asymmetry</i> , 1994, 5, 507-510.	1.8	41
50	Crystal Structure of a Spin-Labeled, Channel-Forming Alamethicin Analogue. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 2047-2050.	7.2	41
51	Structural versatility of peptides from β -disubstituted glycines: Preferred conformation of the β -diphenylglycine residue. <i>Biopolymers</i> , 1990, 30, 1-11.	1.2	40
52	Linear oligopeptides. Part 227. X-Ray crystal and molecular structures of two β -helix-forming (Aib-L-Ala) _n sequential oligopeptides, pBrBz-(Aib-L-Ala) ₅ -OMe and pBrBz-(Aib-L-Ala) ₆ -OMe. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1990, , 1829-1837.	0.9	40
53	An azacrown-functionalized peptide as a metal ion based catalyst for the cleavage of a RNA-model substrate. <i>Biopolymers</i> , 2000, 55, 496-501.	1.2	40
54	Insights into the Free-Energy Dependence of Intramolecular Dissociative Electron Transfers. <i>Journal of the American Chemical Society</i> , 2002, 124, 11503-11513.	6.6	40

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55	Unraveling Solvent-Driven Equilibria between α - and 3^{10} -Helices through an Integrated Spin Labeling and Computational Approach. <i>Journal of the American Chemical Society</i> , 2007, 129, 11248-11258.	6.6	40
56	Aspartame dipeptide analogues: effect of number of side-chain methylene group spacers and α -methylation in the second position. <i>Tetrahedron: Asymmetry</i> , 1997, 8, 1305-1314.	1.8	39
57	Solution Structure, Dimerization, and Dynamics of a Lipophilic α /310-Helical, α -Methylated Peptide. Implications for Folding of Membrane Proteins. <i>Journal of the American Chemical Society</i> , 2001, 123, 6678-6686.	6.6	39
58	Synthesis and Self-Assembly of Oligo(<i>p</i> -phenylenevinylene) Peptide Conjugates in Water. <i>Chemistry - A European Journal</i> , 2011, 17, 2044-2047.	1.7	39
59	Structural versatility of peptides from α , β -dialkylated glycines: an infrared absorption and ^1H n.m.r. study of homopeptides from 1-aminocyclopentane-1-carboxylic acid. <i>International Journal of Biological Macromolecules</i> , 1988, 10, 300-304.	3.6	38
60	Peptoid residues and β -turn formation. <i>Journal of Peptide Science</i> , 2002, 8, 241-252.	0.8	36
61	Is the Backbone Conformation of α -Methyl Proline Restricted to a Single Region?. <i>Chemistry - A European Journal</i> , 2009, 15, 8015-8025.	1.7	36
62	Helical screw sense of peptide molecules: The pentapeptide system (Aib) $_4$ /L-Val[L-(β -Me)Val] in the crystal state. , 1998, 46, 433-443.		35
63	Destabilization of the 310-Helix in Peptides Based on α -Tetrasubstituted β -Amino Acids by Main-Chain to Side-Chain Hydrogen Bonds. <i>Journal of the American Chemical Society</i> , 1998, 120, 11558-11566.	6.6	34
64	Electron spin resonance of TOAC labeled peptides: Folding transitions and high frequency spectroscopy. <i>Biopolymers</i> , 2000, 55, 479-485.	1.2	34
65	Disruption of the β -sheet structure of a protected pentapeptide, related to the β -amyloid sequence 17-21, induced by a single, helicogenic C β -tetrasubstituted β -amino acid. <i>Journal of Peptide Science</i> , 2003, 9, 461-466.	0.8	34
66	A topographically and conformationally constrained, spin-labeled, α -amino acid: crystallographic characterization in peptides*. <i>Chemical Biology and Drug Design</i> , 2005, 65, 564-579.	1.2	34
67	A Rigid Helical Peptide Axle for a [2]Rotaxane Molecular Machine. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 8986-8989.	7.2	34
68	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
69	Linear oligopeptides. Part 147. Chemical and crystallographic study of the reaction between benzyloxycarbonyl chloride and β -aminoisobutyric acid. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1986, , 1371-1376.	0.9	32
70	Structural versatility of peptides containing α , β -dialkylated glycines: conformational energy computations, i.r. absorption and ^1H n.m.r. analysis of 1-aminocyclopropane-1-carboxylic acid homopeptides. <i>International Journal of Biological Macromolecules</i> , 1989, 11, 345-352.	3.6	32
71	Chiral, fully extended helical peptides. <i>Amino Acids</i> , 2011, 41, 629-641.	1.2	32
72	β -Turn conformations in crystal structures of model peptides containing β , β -Di-n-propylglycine and β , β -Di-n-butylglycine. <i>Biopolymers</i> , 1995, 35, 1-9.	1.2	31

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73	Induced Axial Chirality in the Biphenyl Core of the Proatropoisomeric, C ₁ -Tetrasubstituted $\hat{\pm}$ -Amino Acid Residue Bip in Peptides. <i>Chemistry - A European Journal</i> , 2005, 11, 6921-6929.	1.7	31
74	Helical screw sense of homo-oligopeptides of C ₁ -methylated $\hat{\pm}$ -amino acids as determined with vibrational circular dichroism. <i>Tetrahedron: Asymmetry</i> , 1995, 6, 687-690.	1.8	29
75	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
76	Crystallographic characterization of the conformation of the 1-aminocyclohexane-1-carboxylic acid residue in simple derivatives and peptides. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1988, , 393.	0.9	28
77	Zinc(II) as an Allosteric Regulator of Liposomal Membrane Permeability Induced by Synthetic Template-Assembled Tripodal Polypeptides. <i>Chemistry - A European Journal</i> , 2002, 8, 2753.	1.7	28
78	Meteoritic C ² -Methylated $\hat{\pm}$ -Amino Acids and the Homochirality of Life: Searching for a Link. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 6695-6699.	7.2	28
79	Peptide $\hat{2}$ -Bend and 3 10-Helix: from 3D-Structural Studies to Applications as Templates. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2005, 51, 121-136.	1.6	28
80	Analogues of the antimicrobial peptide trichogin having opposite membrane properties. <i>FEBS Journal</i> , 2001, 268, 703-712.	0.2	27
81	Experimental evidence at atomic resolution for intramolecular N(SINGLEBOND)H $\hat{\cdot}$ $\hat{\cdot}$ $\hat{\cdot}$ $\hat{\cdot}$ (phenyl) interactions in a family of amino acid derivatives. , 1997, 42, 1-6.		26
82	A Helical, Aromatic, Peptide Nanotube. <i>Organic Letters</i> , 2006, 8, 6091-6094.	2.4	26
83	Onset of the fully extended conformation in ($\hat{\pm}$ Me)Leu derivatives and short peptides. <i>International Journal of Biological Macromolecules</i> , 1994, 16, 7-14.	3.6	25
84	Self-assembling and membrane modifying properties of a lipopeptaibol studied by CW-ESR and PELDOR spectroscopies. <i>Journal of Peptide Science</i> , 2003, 9, 690-700.	0.8	25
85	Recent contributions of electronic circular dichroism to the investigation of oligopeptide conformations. <i>Chirality</i> , 2004, 16, 388-397.	1.3	25
86	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
87	Single and multiple peptide $\hat{3}$ -turns: literature survey and recent progress. <i>New Journal of Chemistry</i> , 2015, 39, 3208-3216.	1.4	25
88	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
89	First Rigid Peptide Foldamers with an Alternating Cis $\hat{\sim}$ Trans Amide Sequence. An Oligomeric Building Block for the Construction of New Helices, Large-Ring Cyclic Correlates, and Nanotubes. <i>Macromolecules</i> , 2001, 34, 5048-5052.	2.2	23
90	Turn stabilization in short peptides by C ² -methylated $\hat{\pm}$ -amino acids. <i>Biopolymers</i> , 2005, 80, 279-293.	1.2	23

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91	Anticancer Gold(III) Peptidomimetics: From Synthesis to in vitro and ex vivo Biological Evaluations. <i>ChemMedChem</i> , 2018, 13, 1131-1145.	1.6	23
92	Backbone modified formyl-methionyl tripeptide chemoattractants. <i>Bioorganic and Medicinal Chemistry Letters</i> , 1993, 3, 953-956.	1.0	22
93	Factors governing 310-helix vs α -helix formation in peptides: Percentage of C α -tetrasubstituted α -amino acid residues and sequence dependence. <i>Biopolymers</i> , 2002, 64, 236-245.	1.2	22
94	4-Amino-1-oxyl-2,2,6,6-tetramethylpiperidine-3-carboxylic acid (β^2 -TOAC), the first spin-labelled, cyclic, chiral β^2 -amino acid resolved in an enantiomerically pure state. <i>Tetrahedron Letters</i> , 2003, 44, 3381-3384.	0.7	22
95	Conformational Analysis of TOAC-Labelled Alamethicin F50/5 Analogues. <i>Chemistry and Biodiversity</i> , 2007, 4, 1256-1268.	1.0	22
96	Supramolecular Structure of Self-Assembling Alamethicin Analog Studied by ESR and PELDOR. <i>Chemistry and Biodiversity</i> , 2007, 4, 1275-1298.	1.0	22
97	Isovaline in naturally occurring peptides: A nondestructive methodology for configurational assignment. <i>Biopolymers</i> , 2012, 98, 36-49.	1.2	21
98	Crystal-state conformation of homo-oligomers of β^2 -aminoisobutyric acid: Molecular and crystal structure of pBrBz-(Aib) ₆ -OMe. <i>Structural Chemistry</i> , 1991, 2, 523-527.	1.0	20
99	Monomer units for the β^2 -bend ribbon structure: MeAib peptides. <i>International Journal of Biological Macromolecules</i> , 1992, 14, 178-184.	3.6	20
100	Conformation and membrane activity of an analogue of the peptaibol antibiotic trichogin GA IV with a lipophilic amino acid at the N-terminus. , 1998, 4, 389-399.		20
101	A Chirally Stable, Atropoisomeric, β^2 -Tetrasubstituted β^2 -Amino Acid: Incorporation into Model Peptides and Conformational Preference. <i>Helvetica Chimica Acta</i> , 2001, 84, 481-501.	1.0	20
102	Total Synthesis, Characterization, and Conformational Analysis of the Naturally Occurring Hexadecapeptide Integramide β^2 -A and a Diastereomer. <i>Chemistry - A European Journal</i> , 2010, 16, 316-327.	1.7	20
103	New naphthoquinone derivatives against glioma cells. <i>European Journal of Medicinal Chemistry</i> , 2015, 96, 458-466.	2.6	20
104	Effects of Aib residues insertion on the structural β^2 -functional properties of the frog skin-derived peptide esculentin-1a(1 β^2 -21)NH ₂ . <i>Amino Acids</i> , 2017, 49, 139-150.	1.2	20
105	Reactive Intermediates in Peptide Synthesis: A First Crystal Structures and ab Initio Calculations of 2-Alkoxy-5(4H)-oxazolones from Urethane-Protected Amino Acids. <i>Journal of the American Chemical Society</i> , 1997, 119, 4136-4142.	6.6	19
106	Peptaibolin: synthesis, 3D-structure, and membrane modifying properties of the natural antibiotic and selected analogues. <i>Tetrahedron</i> , 2001, 57, 2813-2825.	1.0	19
107	A Helical Peptide Receptor for [60]Fullerene. <i>Chemistry - A European Journal</i> , 2002, 8, 1544-1553.	1.7	19
108	Preferred 3D-Structure of Peptides Rich in a Severely Conformationally Restricted Cyclopropane Analogue of Phenylalanine. <i>Chemistry - A European Journal</i> , 2006, 12, 251-260.	1.7	19

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109	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
110	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, 238-245.	1.2	19
111	Conformational restriction through C α -C β cyclization: Ac12c, the largest cycloaliphatic C α , β -disubstituted glycine known. <i>Biopolymers</i> , 2000, 53, 200-212.	1.2	18
112	Self-Assembling Properties of a Membrane-Modifying Lipopeptaibol in Weakly Polar Solvents Studied by CW ESR. <i>Journal of Physical Chemistry B</i> , 2001, 105, 11206-11213.	1.2	18
113	Benzophenone Photophore Flexibility and Proximity: Molecular and Crystal-State Structure of a Bpa-Containing Trichogin Dodecapeptide Analogue. <i>ChemBioChem</i> , 2004, 5, 541-544.	1.3	18
114	Slowtert-butyl ester acidolysis and peptide 310-helix to α -helix transition in HFIP solution. <i>Biopolymers</i> , 2007, 88, 233-238.	1.2	18
115	Effect of phenyl ring position in the C α -methylated α -amino acid side chain on peptide preferred conformation. , 1996, 40, 523-527.		17
116	(α -Me)Nva: stereoselective syntheses and preferred conformations of selected model peptides. <i>Chemical Biology and Drug Design</i> , 2000, 56, 283-297.	1.2	17
117	Handedness control of peptide helices by amino acid side-chain chirality: Ile/alle peptides. <i>Biopolymers</i> , 2006, 84, 490-501.	1.2	17
118	Structural versatility of peptides from C α , β -disubstituted glycines. Preferred conformation of the C α , β -dibenzylglycine residue. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1990, , 1481-1487.	0.9	16
119	Defect peptide chemistry: Perturbations in the structure of a homopentapeptide induced by a guest residue interrupting side-chain regularity. <i>Biopolymers</i> , 1994, 34, 1409-1418.	1.2	16
120	Synthesis of terminally protected 9-amino-4,5-diazafluorene-9-carboxylic acid, the first rigid, transition-metal receptor, C α , β -disubstituted glycine. <i>Tetrahedron Letters</i> , 1999, 40, 6245-6248.	0.7	16
121	First Interchain Peptide Interaction Detected by ESR in Fully Synthetic, Template-Assisted, Two-Helix Bundles. <i>Journal of the American Chemical Society</i> , 1999, 121, 11071-11078.	6.6	16
122	Ac10 c: a medium-ring, cycloaliphatic C α , β -disubstituted glycine. Incorporation into model peptides and preferred conformation. <i>Chemical Biology and Drug Design</i> , 2001, 57, 307-315.	1.2	16
123	X-ray Diffraction Analysis and Conformational Energy Computations of β -Turn and 310-Helical Peptides Based on α -Amino Acids with an Olefinic Side Chain. Implications for Ring-Closing Metathesis. <i>Macromolecules</i> , 2002, 35, 4204-4209.	2.2	16
124	Structural modifications of the permeability transition pore complex in resealed mitochondria induced by matrix-entrapped disaccharides. <i>Archives of Biochemistry and Biophysics</i> , 2003, 410, 155-160.	1.4	16
125	Stereoselective acylation of a racemic amine with C α -methyl phenylglycine-based dipeptide 5(4H)-oxazolones. <i>Chirality</i> , 2005, 17, 481-487.	1.3	16
126	C ^{α} -Methyl proline: A unique example of split personality. <i>Biopolymers</i> , 2008, 89, 465-470.	1.2	16

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127	A solvent-dependent peptide spring unraveled by 2D-NMR. <i>Tetrahedron</i> , 2012, 68, 4429-4433.	1.0	16
128	Serendipitous Discovery of Peptide Dialkyl Peroxides. <i>Helvetica Chimica Acta</i> , 2002, 85, 3099-3112.	1.0	15
129	Crystal-state 3D-structural characterization of novel 310-helical peptides. <i>Journal of Peptide Science</i> , 2003, 9, 620-637.	0.8	15
130	Î±-Methyl, Î±-n-Propylglycine Homo-oligomers. <i>Macromolecules</i> , 2003, 36, 8164-8170.	2.2	15
131	Correlation between symmetry breaker position and the preferences of conformationally constrained homopeptides: A molecular dynamics investigation. <i>Biopolymers</i> , 2008, 90, 695-706.	1.2	15
132	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
133	Peptide Turn: Literature Survey and Recent Progress. <i>Chemistry - A European Journal</i> , 2015, 21, 13866-13877.	1.7	15
134	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
135	Crystal structures of N-parabromobenzoyl-Î±-aminoisobutyric acid and two derivatives. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 1986, 175, .	0.4	14
136	Interaction between TOAC free radical and photoexcited triplet chromophores linked to peptide templates. <i>Biopolymers</i> , 2000, 55, 486-495.	1.2	14
137	N-methylation of Î±-acylated, fully Î±-methylated, linear, folded peptides: Synthetic and conformational aspects. <i>Biopolymers</i> , 2006, 84, 553-565.	1.2	14
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