

Marta De Zotti

List of Publications by Year in descending order

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93
papers

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citations

279487

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95
times ranked

1438
citing authors

#	ARTICLE	IF	CITATIONS
1	A Peptide-Based Trap for Metal Ions Studied by Electron Paramagnetic Resonance. <i>Chemosensors</i> , 2022, 10, 71.	1.8	0
2	Bloody spin: I caught you at last. <i>Biophysical Journal</i> , 2022, , .	0.2	0
3	Water-Soluble Trichogin GA IV-Derived Peptaibols Protect Tomato Plants From <i>Botrytis cinerea</i> Infection With Limited Impact on Plant Defenses. <i>Frontiers in Plant Science</i> , 2022, 13, .	1.7	8
4	Peptide-membrane binding is not enough to explain bioactivity: A case study. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2022, 1864, 183978.	1.4	2
5	Light-Induced Tripletâ€“Triplet Electron Resonance Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 80-85.	2.1	16
6	A pHâ€“Induced Reversible Conformational Switch Able to Control the Photocurrent Efficiency in a Peptide Supramolecular System. <i>Chemistry - A European Journal</i> , 2021, 27, 2810-2817.	1.7	6
7	Analogues of a Natural Peptaibol Exert Anticancer Activity in Both Cisplatin- and Doxorubicin-Resistant Cells and in Multicellular Tumor Spheroids. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8362.	1.8	13
8	Tylopeptin B peptide antibiotic in lipid membranes at low concentrations: Self-assembling, mutual repulsion and localization. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2021, 1863, 183585.	1.4	8
9	Transcriptomic and Ultrastructural Analyses of <i>Pyricularia Oryzae</i> Treated With Fungicidal Peptaibol Analogues of <i>Trichoderma Trichogin</i> . <i>Frontiers in Microbiology</i> , 2021, 12, 753202.	1.5	9
10	Sustainable Methods to Control <i>Pyricularia oryzae</i> , the Causal Agent of Rice Blast Disease. <i>UNIPA Springer Series</i> , 2021, , 67-82.	0.1	2
11	Targeted Amino Acid Substitutions in a <i>Trichoderma</i> Peptaibol Confer Activity against Fungal Plant Pathogens and Protect Host Tissues from <i>Botrytis cinerea</i> Infection. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7521.	1.8	25
12	ESE-Detected Molecular Motions of Spin-Labeled Molecules on a Solid Inorganic Surface: Motional Models and Onset Temperatures. <i>Applied Magnetic Resonance</i> , 2020, 51, 1019-1029.	0.6	5
13	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.	1.3	5
14	Electron spin echo detection of stochastic molecular librations: Non-cooperative motions on solid surface. <i>Journal of Magnetic Resonance</i> , 2019, 309, 106621.	1.2	5
15	Trichogin GA IV Alignment and Oligomerization in Phospholipid Bilayers. <i>ChemBioChem</i> , 2019, 20, 2141-2150.	1.3	10
16	A Temperatureâ€“Driven, Reversible, Helicalâ€“Handedness Inversion in Peptaibol Analogues Tuned by the Câ€“Terminal Capping Moiety. <i>ChemBioChem</i> , 2019, 20, 2125-2132.	1.3	3
17	Building Supramolecular DNAâ€“Inspired Nanowires on Gold Surfaces: From 2D to 3D. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 7308-7312.	7.2	10
18	Molecular Sponge: pH-Driven Reversible Squeezing of Stimuli-Sensitive Peptide Monolayers. <i>Langmuir</i> , 2019, 35, 4813-4824.	1.6	7

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19	Extended Diethylglycine Homopeptides Formed by Desulfurization of Their Tetrahydrothiopyran Analogues. <i>Organic Letters</i> , 2019, 21, 2209-2212.	2.4	9
20	Building Supramolecular DNA-Inspired Nanowires on Gold Surfaces: From 2D to 3D. <i>Angewandte Chemie</i> , 2019, 131, 7386-7390.	1.6	2
21	Rational Design of Antiangiogenic Helical Oligopeptides Targeting the Vascular Endothelial Growth Factor Receptors. <i>Frontiers in Chemistry</i> , 2019, 7, 170.	1.8	10
22	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
23	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
24	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
25	Low-Temperature Dynamical Transition in Lipid Bilayers Detected by Spin-Label ESE Spectroscopy. <i>Applied Magnetic Resonance</i> , 2018, 49, 1369-1383.	0.6	8
26	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
27	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
28	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.	1.2	8
29	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.	1.7	6
30	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
31	Alamethicin Supramolecular Organization in Lipid Membranes from ¹⁹ F Solid-State NMR. <i>Biophysical Journal</i> , 2016, 111, 2450-2459.	0.2	28
32	The rational search for selective anticancer derivatives of the peptide Trichogin GA IV: a multi-technique biophysical approach. <i>Scientific Reports</i> , 2016, 6, 24000.	1.6	26
33	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
34	Design of lipidic platforms anchored within nanometric cavities by peptide hooks. <i>RSC Advances</i> , 2016, 6, 46984-46993.	1.7	4
35	Endothioxopeptides: A conformational overview. <i>Biopolymers</i> , 2016, 106, 697-713.	1.2	5
36	Shaping bioinspired photo-responsive microstructures by the light-driven modulation of selective interactions. <i>RSC Advances</i> , 2016, 6, 73650-73659.	1.7	6

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37	Comparison of bactericidal and cytotoxic activities of trichogin analogs. <i>Data in Brief</i> , 2016, 6, 359-367.	0.5	5
38	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
39	Synthesis, Characterization, and Biological Evaluation of a Dual-Action Ligand Targeting β 3 Integrin and VEGF Receptors. <i>ChemistryOpen</i> , 2015, 4, 633-641.	0.9	25
40	4-Cyano-L-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
41	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
42	Single and multiple peptide β -turns: literature survey and recent progress. <i>New Journal of Chemistry</i> , 2015, 39, 3208-3216.	1.4	25
43	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
44	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
45	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
46	Mimicking Nature: A Novel Peptide-based Bio-inspired Approach for Solar Energy Conversion. <i>ChemPhysChem</i> , 2014, 15, 64-68.	1.0	32
47	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
48	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
49	Synthesis and Conformational Study of Model Peptides Containing <i>N</i> -Substituted β -Aminoazetidinea-carboxylic Acids. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 2312-2321.	1.2	16
50	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
51	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
52	Membrane Perturbing Effects of Antimicrobial Peptides: A Systematic Spectroscopic Analysis. <i>Biophysical Journal</i> , 2013, 104, 600a-601a.	0.2	0
53	Aggregation modes of the spin mono-labeled tylopeptin B and heptaibin peptaibiotics in frozen solutions of weak polarity as studied by PELDOR spectroscopy. <i>Journal of Structural Chemistry</i> , 2013, 54, 73-85.	0.3	7
54	Membrane thickness and the mechanism of action of the short peptaibol trichogin GA IV. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2013, 1828, 1013-1024.	1.4	56

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55	Conformational Properties of the Spin-Labeled Tylopeptin B and Heptaibin Peptaibiotics Based on PELDOR Spectroscopy Data. <i>Applied Magnetic Resonance</i> , 2013, 44, 495-508.	0.6	14
56	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
57	Left-Handed Helical Preference in an Achiral Peptide Chain Is Induced by an α -Amino Acid in an N-Terminal Type II β -Turn. <i>Journal of Organic Chemistry</i> , 2013, 78, 2248-2255.	1.7	43
58	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
59	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
60	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
61	The N-Terminal Nonapeptide of Cephaibols A and C: A Naturally Occurring Example of Mismatched Helical Screw-Sense Control. <i>Chemistry - A European Journal</i> , 2013, 19, 16357-16365.	1.7	12
62	Left-Handed Helical Preference in an Achiral Peptide Chain is Induced by an L-Amino Acid in an N-Terminal Type II β -Turn. , 2013, , .		0
63	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
64	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
65	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
66	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
67	Total Synthesis of Septocylindrin B and C-Terminus Modified Analogues. <i>PLoS ONE</i> , 2012, 7, e51708.	1.1	5
68	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
69	Isovaline in naturally occurring peptides: A nondestructive methodology for configurational assignment. <i>Biopolymers</i> , 2012, 98, 36-49.	1.2	21
70	A new approach to detect and study ion channel formation in microBLMs. <i>Electrochemistry Communications</i> , 2011, 13, 834-836.	2.3	12
71	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
72	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

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73	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
74	Total Synthesis, Characterization, and Conformational Analysis of the Naturally Occurring Hexadecapeptide Integramide ¹ .A and a Diastereomer. <i>Chemistry - A European Journal</i> , 2010, 16, 316-327.	1.7	20
75	Configurational Assignment of ^D and ^L Isovalines in Intact, Natural, and Synthetic Peptides by 2D ¹ NMR Spectroscopy. <i>Chemistry and Biodiversity</i> , 2010, 7, 1612-1624.	1.0	11
76	Synthesis, Preferred Conformation, and Membrane Activity of Medium ¹ Length Peptaibiotics: Tylopeptin B. <i>Chemical Biology and Drug Design</i> , 2010, 75, 169-181.	1.5	16
77	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, 4812-4816.	1.7	26
78	Complete Absolute Configuration of Integramide A, a Natural, 16 ¹ mer Peptide Inhibitor of HIV ¹ Integrase, Elucidated by Total Synthesis. <i>ChemBioChem</i> , 2009, 10, 87-90.	1.3	10
79	Trichogin GA IV: an antibacterial and protease ¹ resistant peptide. <i>Journal of Peptide Science</i> , 2009, 15, 615-619.	0.8	55
80	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, 3197-3209.	0.2	31
81	Alamethicin Topology in Phospholipid Membranes by Oriented Solid-state NMR and EPR Spectroscopies: a Comparison. <i>Journal of Physical Chemistry B</i> , 2009, 113, 3034-3042.	1.2	39
82	N-Methylation of N ¹ -Acetylated, Fully C ¹ -Ethylated, Linear Peptides. <i>International Journal of Peptide Research and Therapeutics</i> , 2008, 14, 307-314.	0.9	4
83	Synthesis, Ion Complexation Study, and 3D ¹ Structural Analysis of Peptides Based on Crown ¹ Carrier, ^C and ^L Methyl ¹ DOPA Amino Acids. <i>European Journal of Organic Chemistry</i> , 2008, 2008, 1224-1241.	1.2	6
84	Synthesis of enantiopure, axially chiral, C ¹ -tetrasubstituted ¹ -amino acids with binaphthyl-based crowned side chains and 3D-structural analysis of their peptides. <i>Tetrahedron</i> , 2008, 64, 2307-2320.	1.0	4
85	Central-to-axial chirality transfer and induced circular dichroism in 6,7-dihydro-5H-dibenz[c,e]azepine derivatives of ¹ - and ² -amino esters. <i>Tetrahedron Letters</i> , 2008, 49, 3475-3479.	0.7	15
86	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 ² -Amino Acids. <i>Journal of the American Chemical Society</i> , 2008, 130, 5986-5992.	6.6	56
87	Backbone Dynamics of Alamethicin Bound to Lipid Membranes: Spin-Echo Electron Paramagnetic Resonance of TOAC-Spin Labels. <i>Biophysical Journal</i> , 2008, 94, 2698-2705.	0.2	39
88	PELDOR Conformational Analysis of bis-Labeled Alamethicin Aggregated in Phospholipid Vesicles. <i>Journal of Physical Chemistry B</i> , 2008, 112, 13469-13472.	1.2	30
89	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
90	Turn stabilization in short peptides by C ² -methylated ² -amino acids. <i>Biopolymers</i> , 2005, 80, 279-293.	1.2	23

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91	The enantioselectivity of reduction of ethyl 4-halo-3-oxobutanoate catalyzed by <i>Geotrichum candidum</i> depends on the cofactor. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2003, 21, 63-66.	1.8	5
92	Serendipitous Discovery of Peptide Dialkyl Peroxides. <i>Helvetica Chimica Acta</i> , 2002, 85, 3099-3112.	1.0	15
93	Novel peptide-based control measures against the rice fungal pathogen <i>Pyricularia oryzae</i> . , 0, , .		0