

Donatella Potenza

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/224487/publications.pdf>

Version: 2024-02-01

78
papers

2,124
citations

218592

26
h-index

276775

41
g-index

81
all docs

81
docs citations

81
times ranked

2119
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Synthesis of Sulfonamido-Pseudopeptides: New Chiral Unnatural Oligomers. <i>Angewandte Chemie International Edition in English</i> , 1994, 33, 2067-2069. | 4.4 | 142 |
| 2 | A Simple Model System for the Study of Carbohydrate-Aromatic Interactions. <i>Journal of the American Chemical Society</i> , 2007, 129, 2890-2900. | 6.6 | 98 |
| 3 | Conformational Preferences of Peptides Containing Reverse-Turn Mimetic Bicyclic Lactams: Inverse β^3 -Turns versus Type-II β^2 -Turns - Insights into β^2 -Hairpin Stability. , 1999, 1999, 389-400. | | 92 |
| 4 | Stereoselective synthesis of statin analogues.. <i>Tetrahedron Letters</i> , 1990, 31, 4949-4952. | 0.7 | 78 |
| 5 | Biological and molecular properties of a new β^3/β^2 integrin antagonist. <i>Molecular Cancer Therapeutics</i> , 2005, 4, 1670-1680. | 1.9 | 75 |
| 6 | Intramolecular Carbohydrate-Aromatic Interactions and Intermolecular van der Waals Interactions Enhance the Molecular Recognition Ability of GM1 Glycomimetics for Cholera Toxin. <i>Chemistry - A European Journal</i> , 2004, 10, 4395-4406. | 1.7 | 69 |
| 7 | Cyclic RGD Peptidomimetics Containing Bifunctional Diketopiperazine Scaffolds as New Potent Integrin Ligands. <i>Chemistry - A European Journal</i> , 2012, 18, 6195-6207. | 1.7 | 62 |
| 8 | A new method for the solution and solid phase synthesis of chiral β^2 -sulfonopeptides under mild conditions. <i>Tetrahedron Letters</i> , 1996, 37, 8589-8592. | 0.7 | 61 |
| 9 | Targeting integrins: Insights into structure and activity of cyclic RGD pentapeptide mimics containing azabicycloalkane amino acids. <i>Bioorganic and Medicinal Chemistry</i> , 2006, 14, 169-180. | 1.4 | 61 |
| 10 | Synthesis of Novel DC-SIGN Ligands with an α -Fucosylamide Anchor. <i>ChemBioChem</i> , 2008, 9, 1921-1930. | 1.3 | 58 |
| 11 | Cyclic RGD-Peptidomimetics Containing Bifunctional Diketopiperazine Scaffolds as New Potent Integrin Ligands. <i>Chemistry - A European Journal</i> , 2009, 15, 12184-12188. | 1.7 | 58 |
| 12 | Synthesis and Conformational Analysis of Small Peptides Containing 6-Endo-BT(t)L Scaffolds as Reverse Turn Mimetics. <i>Journal of Organic Chemistry</i> , 2002, 67, 7483-7492. | 1.7 | 51 |
| 13 | Conformational Studies of Chiral Vinylogous Sulfonamidopeptides. <i>Chemistry - A European Journal</i> , 1996, 2, 644-655. | 1.7 | 50 |
| 14 | Potent Integrin Antagonists from a Small Library of RGD-Including Cyclic Pseudopeptides. <i>Organic Letters</i> , 2001, 3, 1001-1004. | 2.4 | 49 |
| 15 | Cyclic RGD-Containing Functionalized Azabicycloalkane Peptides as Potent Integrin Antagonists for Tumor Targeting. <i>ChemMedChem</i> , 2009, 4, 615-632. | 1.6 | 44 |
| 16 | Conformational Analysis of Azabicycloalkane Amino Acid Scaffolds as Reverse-Turn Inducer Dipeptide Mimics. <i>European Journal of Organic Chemistry</i> , 2000, 2000, 2563-2569. | 1.2 | 43 |
| 17 | STD and trNOESY NMR Study of Receptor-Ligand Interactions in Living Cancer Cells. <i>ChemBioChem</i> , 2011, 12, 695-699. | 1.3 | 39 |
| 18 | Rational design, synthesis and characterization of potent, non-peptidic Smac mimics/XIAP inhibitors as proapoptotic agents for cancer therapy. <i>Bioorganic and Medicinal Chemistry</i> , 2009, 17, 5834-5856. | 1.4 | 36 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Comprehensive analysis of blood group antigen binding to classical and El Tor cholera toxin B-pentamers by NMR. <i>Glycobiology</i> , 2014, 24, 766-778. | 1.3 | 34 |
| 20 | Stereoselective synthesis of t-butyl 2-amino-2,5-dideoxy--pentanoate: Formal synthesis of l-daunosamine. <i>Tetrahedron</i> , 1987, 43, 2317-2322. | 1.0 | 32 |
| 21 | Second-Generation Mimics of Ganglioside GM1 Oligosaccharide: A Three-Dimensional View of Their Interactions with Bacterial Enterotoxins by NMR and Computational Methods. <i>Chemistry - A European Journal</i> , 2002, 8, 4597-4612. | 1.7 | 31 |
| 22 | Mimics of ganglioside GM1 as cholera toxin ligands: replacement of the GalNAc residue Electronic supplementary information (ESI) available: synthetic details, product characterisations and full NOE contact list. See http://www.rsc.org/suppdata/ob/b2/b210503a/ . <i>Organic and Biomolecular Chemistry</i> , 2003, 1, 785-792. | 1.5 | 31 |
| 23 | Synthesis, Conformational Studies and Mannosidase Stability of a Mimic of 1,2-Mannobioside. <i>European Journal of Organic Chemistry</i> , 2004, 2004, 5119-5225. | 1.2 | 29 |
| 24 | Dimeric Smac mimetics/IAP inhibitors as in vivo-active pro-apoptotic agents. Part II: Structural and biological characterization. <i>Bioorganic and Medicinal Chemistry</i> , 2012, 20, 6709-6723. | 1.4 | 29 |
| 25 | A New Isoflavone from <i>Genista corsica</i> . <i>Journal of Natural Products</i> , 2000, 63, 504-506. | 1.5 | 28 |
| 26 | Cyclic <i>iso</i> DGR Peptidomimetics as Low μM Integrin Ligands. <i>Chemistry - A European Journal</i> , 2013, 19, 3563-3567. | 1.7 | 28 |
| 27 | A Potent Integrin Antagonist from a Small Library of Cyclic RGD Pentapeptide Mimics Including Benzyl-Substituted Azabicycloalkane Amino Acids. <i>ChemMedChem</i> , 2008, 3, 1589-1603. | 1.6 | 27 |
| 28 | Stereoselective aldol reactions using TiCl_4 as stereochemical template. <i>Tetrahedron Letters</i> , 1985, 26, 4129-4132. | 0.7 | 26 |
| 29 | Structure Revision of the Lantibiotic 97518. <i>Journal of Natural Products</i> , 2009, 72, 605-607. | 1.5 | 25 |
| 30 | Transferred-NOE NMR experiments on intact human platelets: receptor-bound conformation of RGD-peptide mimics. <i>Organic and Biomolecular Chemistry</i> , 2008, 6, 258-262. | 1.5 | 24 |
| 31 | Synthese von Sulfonamid-Pseudopeptiden: neue chirale synthetische Oligomere. <i>Angewandte Chemie</i> , 1994, 106, 2181-2183. | 1.6 | 23 |
| 32 | Lupane-triterpenes from <i>Bupleurum flavum</i> . <i>Natural Product Research</i> , 2005, 19, 783-788. | 1.0 | 22 |
| 33 | Determination of the binding epitope of RGD-peptidomimetics to $\alpha_5\beta_1$ and $\alpha_5\beta_3$ integrin-rich intact cells by NMR and computational studies. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 3886. | 1.5 | 22 |
| 34 | Biosynthesis of citrinin and synthesis of its biogenetic precursors. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1981, , 2594. | 0.9 | 21 |
| 35 | Insights into the Binding of Cyclic RGD Peptidomimetics to $\alpha_5\beta_1$ Integrin by using Live-Cell NMR And Computational Studies. <i>ChemistryOpen</i> , 2017, 6, 128-136. | 0.9 | 21 |
| 36 | Novel Compounds Targeting the RNA-Binding Protein HuR. Structure-Based Design, Synthesis, and Interaction Studies. <i>ACS Medicinal Chemistry Letters</i> , 2019, 10, 615-620. | 1.3 | 21 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 37 | Homo- and heterodimeric Smac mimetics/IAP inhibitors as in vivo-active pro-apoptotic agents. Part I: Synthesis. <i>Bioorganic and Medicinal Chemistry</i> , 2012, 20, 6687-6708. | 1.4 | 20 |
| 38 | (E,E)-10-(1,3-Dihydro-4,6-dihydroxy-7-methyl-3-oxoisobenzofuran-5-yl)4,8-dimethyldeca-4,8-dienoic acid: total synthesis and role in mycophenolic acid biosynthesis. <i>Journal of the Chemical Society Chemical Communications</i> , 1979, , 1021. | 2.0 | 18 |
| 39 | Stereoconvergent crotylstannane addition to nor-ephedrine-derived 2-methoxy oxazolidines. A clue towards a synclinal transition state geometry. <i>Tetrahedron: Asymmetry</i> , 1990, 1, 429-432. | 1.8 | 18 |
| 40 | Cyclic RGD Peptides Containing Azabicycloalkane Reverse-Turn Mimics. <i>Helvetica Chimica Acta</i> , 2002, 85, 4353-4368. | 1.0 | 18 |
| 41 | Synthesis and Characterization of Linker-armed Fucose-based Glycomimetics. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 5303-5314. | 1.2 | 18 |
| 42 | Total synthesis of (±) pseudophrynamine A. <i>Tetrahedron Letters</i> , 1990, 31, 5661-5664. | 0.7 | 17 |
| 43 | Solid-Phase Synthesis of Peptides Containing Reverse-Turn Mimetic Bicyclic Lactams. , 1999, 1999, 379-388. | | 17 |
| 44 | Enantioselective binding of dipeptides using acyclic receptors. <i>Chemical Communications</i> , 2001, , 1358-1359. | 2.2 | 17 |
| 45 | Ganglioside GM1 mimics: lipophilic substituents improve affinity for cholera toxin. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2003, 13, 3831-3834. | 1.0 | 17 |
| 46 | Antitumor Activity of a Novel Homodimeric SMAC Mimetic in Ovarian Carcinoma. <i>Molecular Pharmaceutics</i> , 2014, 11, 283-293. | 2.3 | 17 |
| 47 | NMR interaction studies of Neu5Ac- α -(2,6)-Gal- β -(1-4)-GlcNAc with influenza-virus hemagglutinin expressed in transfected human cells. <i>Glycobiology</i> , 2018, 28, 42-49. | 1.3 | 17 |
| 48 | Norephedrine derived oxazolidines as chiral acylating agents: An NMR study of the intermediate cations.. <i>Tetrahedron</i> , 1992, 48, 1343-1352. | 1.0 | 16 |
| 49 | Rationally Designed Bicyclic Lactams Control Different Turn Motifs and Folding Patterns in Hexapeptide Mimics. , 2000, 2000, 695-699. | | 16 |
| 50 | Cicloastragenol glycosides from astragalus verrucosus. <i>Phytochemistry</i> , 1998, 49, 2467-2471. | 1.4 | 15 |
| 51 | Thermodynamically-Weighted Conformational Ensemble of Cyclic RGD Peptidomimetics from NOE Data. <i>Journal of Physical Chemistry B</i> , 2016, 120, 7098-7107. | 1.2 | 15 |
| 52 | Absolute configuration of A-32'287 [conocandin] and total synthesis of its methyl and tert-butyl esters. <i>Journal of Organic Chemistry</i> , 1987, 52, 5452-5457. | 1.7 | 14 |
| 53 | A new alpinumisoflavone derivative from <i>Genista pichisermolliana</i> . <i>Phytochemistry Letters</i> , 2011, 4, 342-344. | 0.6 | 14 |
| 54 | A Combined NMR-Computational Study of the Interaction between Influenza Virus Hemagglutinin and Sialic Derivatives from Human and Avian Receptors on the Surface of Transfected Cells. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1267. | 1.8 | 13 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 55 | Titanium Ate Enolate Complexes: An NMR Study. <i>Journal of Organic Chemistry</i> , 1994, 59, 3690-3694. | 1.7 | 12 |
| 56 | Synthesis of a Pseudo Tetrasaccharide Mimic of Ganglioside GM1. <i>European Journal of Organic Chemistry</i> , 1999, 1999, 1311-1317. | 1.2 | 12 |
| 57 | Solution structure by nuclear magnetic resonance of the two lantibiotics 97518 and NAI107. <i>Journal of Peptide Science</i> , 2012, 18, 129-134. | 0.8 | 12 |
| 58 | Diffusion-Ordered Spectroscopy and Saturation Transfer Difference NMR Spectroscopy Studies of Selective Interactions between ELAV Protein Fragments and an mRNA Target. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 6399-6404. | 1.2 | 12 |
| 59 | Exploration of ligand binding modes towards the identification of compounds targeting HuR: a combined STD-NMR and Molecular Modelling approach. <i>Scientific Reports</i> , 2018, 8, 13780. | 1.6 | 12 |
| 60 | Acceleration of hemiacetal cleavage through hydrogen bonding: a new synthetic catalyst with balanced conformational flexibility and preorganization. <i>Journal of Organic Chemistry</i> , 1991, 56, 3201-3203. | 1.7 | 11 |
| 61 | Chemical composition and volatile constituents of <i>Anthyllis barba-jovis</i> . <i>Natural Product Research</i> , 2007, 21, 418-425. | 1.0 | 11 |
| 62 | Cyclic DGR-peptidomimetic containing a bicyclic reverse turn inducer as a selective $\alpha_5\beta_1$ integrin ligand. <i>Amino Acids</i> , 2010, 38, 329-337. | 1.2 | 11 |
| 63 | Insight to the binding mode of triazole RGD-peptidomimetics to integrin-rich cancer cells by NMR and molecular modeling. <i>Bioorganic and Medicinal Chemistry</i> , 2016, 24, 989-994. | 1.4 | 11 |
| 64 | A13C and 1H NMR study of diastereomeric α -methylidene- β -hydroxy- γ -alkoxy esters. <i>Magnetic Resonance in Chemistry</i> , 1984, 22, 224-227. | 0.7 | 10 |
| 65 | Solvent-Dependent Conformational Behaviour of Model Tetrapeptides Containing a Bicyclic Proline Mimetic. <i>European Journal of Organic Chemistry</i> , 2004, 2004, 4621-4627. | 1.2 | 10 |
| 66 | Computer aided design and NMR characterization of an oligopeptide targeting the Ebola virus VP24 protein. <i>New Journal of Chemistry</i> , 2017, 41, 4308-4315. | 1.4 | 10 |
| 67 | Synthesis, Conformational Studies and Binding Properties of Acyclic Receptors for N-Protected Amino Acids and Dipeptides. <i>European Journal of Organic Chemistry</i> , 2001, 2001, 4625. | 1.2 | 9 |
| 68 | A NMR and computational study of Smac mimics targeting both the BIR2 and BIR3 domains in XIAP protein. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 3278. | 1.5 | 8 |
| 69 | Solution Behavior of Amphiphilic Glycodendrimers with a Rod-Like Core. <i>Macromolecular Bioscience</i> , 2016, 16, 896-905. | 2.1 | 8 |
| 70 | Stereoselective conjugate addition of lithium and titanium enolates to β -alkoxy enones. <i>Tetrahedron</i> , 1996, 52, 3497-3508. | 1.0 | 6 |
| 71 | Exploring E-cadherin-peptidomimetics interaction using NMR and computational studies. <i>PLoS Computational Biology</i> , 2019, 15, e1007041. | 1.5 | 5 |
| 72 | Cyclic RGD and isoDGR Integrin Ligands Containing cis-2-amino-1-cyclopentanecarboxylic (cis- β -ACPC) Scaffolds. <i>Molecules</i> , 2020, 25, 5966. | 1.7 | 5 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 73 | Design, Synthesis, Conformational Analysis and Application of Azabicycloalkane Amino Acids as Constrained Dipeptide Mimics. <i>Synlett</i> , 2004, 2004, 1449-1471. | 1.0 | 4 |
| 74 | Selective Acylation of Monosaccharides Using Microbial Cells. <i>Biocatalysis and Biotransformation</i> , 1999, 17, 95-102. | 1.1 | 3 |
| 75 | Chiral 2-phenyl-3-hydroxypropyl esters as PKC α modulators: HPLC enantioseparation, NMR absolute configuration assignment, and molecular docking studies. <i>Chirality</i> , 2022, 34, 498-513. | 1.3 | 2 |
| 76 | Designing Antiviral Substances Targeting the Ebola Virus Viral Protein 24. , 2020, , 147-177. | | 1 |
| 77 | Hydrogen-Bonding Donor/Acceptor Scales in α -Sulfonamidopeptides. <i>Chemistry - A European Journal</i> , 1998, 4, 1924-1931. | 1.7 | 1 |
| 78 | Towards the Modulation of RNA-Binding Proteins: New Compounds Targeting Protein HuR. <i>Proceedings (mdpi)</i> , 2019, 22, . | 0.2 | 0 |