

Alessandro Tossi

List of Publications by Year in descending order

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126
papers

8,434
citations

50566

48
h-index

53065

89
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131
all docs

131
docs citations

131
times ranked

9317
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Anisaxins, helical antimicrobial peptides from marine parasites, kill resistant bacteria by lipid extraction and membrane disruption. <i>Acta Biomaterialia</i> , 2022, 146, 131-144. | 4.1 | 15 |
| 2 | Natural and Synthetic Halogenated Amino Acids—Structural and Bioactive Features in Antimicrobial Peptides and Peptidomimetics. <i>Molecules</i> , 2021, 26, 7401. | 1.7 | 16 |
| 3 | Silver Nanoparticles Functionalized With Antimicrobial Polypeptides: Benefits and Possible Pitfalls of a Novel Anti-infective Tool. <i>Frontiers in Microbiology</i> , 2021, 12, 750556. | 1.5 | 19 |
| 4 | Identification and functional characterization of the astacidin family of proline-rich host defence peptides (PcAst) from the red swamp crayfish (<i>Procambarus clarkii</i> , Girard 1852). <i>Developmental and Comparative Immunology</i> , 2020, 105, 103574. | 1.0 | 12 |
| 5 | Caprine Bactenecins as Promising Tools for Developing New Antimicrobial and Antitumor Drugs. <i>Frontiers in Cellular and Infection Microbiology</i> , 2020, 10, 552905. | 1.8 | 12 |
| 6 | Characterization of Cetacean Proline-Rich Antimicrobial Peptides Displaying Activity against ESKAPE Pathogens. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7367. | 1.8 | 8 |
| 7 | Selection and redesign for high selectivity of membrane-active antimicrobial peptides from a dedicated sequence/function database. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2019, 1861, 827-834. | 1.4 | 22 |
| 8 | Redesigning Arenicin-1, an Antimicrobial Peptide from the Marine Polychaeta <i>Arenicola marina</i> , by Strand Rearrangement or Branching, Substitution of Specific Residues, and Backbone Linearization or Cyclization. <i>Marine Drugs</i> , 2019, 17, 376. | 2.2 | 28 |
| 9 | Mixed Fluorinated/Hydrogenated Self-Assembled Monolayer-Protected Gold Nanoparticles: In Silico and In Vitro Behavior. <i>Small</i> , 2019, 15, e1900323. | 5.2 | 18 |
| 10 | Antimicrobial Peptides as Anti-Infective Agents in Pre-Post-Antibiotic Era?. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5713. | 1.8 | 92 |
| 11 | Membrane-active antimicrobial peptide identified in <i>Rana arvalis</i> by targeted DNA sequencing. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2019, 1861, 651-659. | 1.4 | 11 |
| 12 | The Dolphin Proline-Rich Antimicrobial Peptide Tur1A Inhibits Protein Synthesis by Targeting the Bacterial Ribosome. <i>Cell Chemical Biology</i> , 2018, 25, 530-539.e7. | 2.5 | 90 |
| 13 | Antibacterial Activity Affected by the Conformational Flexibility in Glycine—Lysine Based α -Helical Antimicrobial Peptides. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 2924-2936. | 2.9 | 48 |
| 14 | Parallel identification of novel antimicrobial peptide sequences from multiple anuran species by targeted DNA sequencing. <i>BMC Genomics</i> , 2018, 19, 827. | 1.2 | 8 |
| 15 | Effect of targeted minimal sequence variations on the structure and biological activities of the human cathelicidin LL-37. <i>Peptide Science</i> , 2018, 110, e24087. | 1.0 | 5 |
| 16 | Influence of Bacterial Biofilm Polysaccharide Structure on Interactions with Antimicrobial Peptides: A Study on <i>Klebsiella pneumoniae</i> . <i>International Journal of Molecular Sciences</i> , 2018, 19, 1685. | 1.8 | 17 |
| 17 | Tools for Designing Amphipathic Helical Antimicrobial Peptides. <i>Methods in Molecular Biology</i> , 2017, 1548, 23-34. | 0.4 | 10 |
| 18 | Gold nanoparticles with patterned surface monolayers for nanomedicine: current perspectives. <i>European Biophysics Journal</i> , 2017, 46, 749-771. | 1.2 | 64 |

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|----|--|-----|-----------|
| 19 | Evaluation of free or anchored antimicrobial peptides as candidates for the prevention of orthopaedic device-related infections. <i>Journal of Peptide Science</i> , 2017, 23, 777-789. | 0.8 | 12 |
| 20 | PGLa-H tandem-repeat peptides active against multidrug resistant clinical bacterial isolates. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2017, 1859, 228-237. | 1.4 | 23 |
| 21 | Myticalins: A Novel Multigenic Family of Linear, Cationic Antimicrobial Peptides from Marine Mussels (<i>Mytilus</i> spp.). <i>Marine Drugs</i> , 2017, 15, 261. | 2.2 | 54 |
| 22 | Biofilms from <i>Klebsiella pneumoniae</i> : Matrix Polysaccharide Structure and Interactions with Antimicrobial Peptides. <i>Microorganisms</i> , 2016, 4, 26. | 1.6 | 14 |
| 23 | Identification of antibacterial peptides from endophytic microbiome. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 9283-9293. | 1.7 | 11 |
| 24 | Antimicrobial and host cell-directed activities of Gly/Ser-rich peptides from salmonid cathelicidins. <i>Fish and Shellfish Immunology</i> , 2016, 59, 456-468. | 1.6 | 22 |
| 25 | The human cathelicidin LL-37 "A pore-forming antibacterial peptide and host-cell modulator. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2016, 1858, 546-566. | 1.4 | 263 |
| 26 | New aspects of the structure and mode of action of the human cathelicidin LL-37 revealed by the intrinsic probe <i>p</i> -cyanophenylalanine. <i>Biochemical Journal</i> , 2015, 465, 443-457. | 1.7 | 31 |
| 27 | Lipopolysaccharide Phosphorylation by the WaaY Kinase Affects the Susceptibility of <i>Escherichia coli</i> to the Human Antimicrobial Peptide LL-37. <i>Journal of Biological Chemistry</i> , 2015, 290, 19933-19941. | 1.6 | 18 |
| 28 | Predicting the Minimal Inhibitory Concentration for Antimicrobial Peptides with Rana-Box Domain. <i>Journal of Chemical Information and Modeling</i> , 2015, 55, 2275-2287. | 2.5 | 17 |
| 29 | Effect of Size and N-Terminal Residue Characteristics on Bacterial Cell Penetration and Antibacterial Activity of the Proline-Rich Peptide Bac7. <i>Journal of Medicinal Chemistry</i> , 2015, 58, 1195-1204. | 2.9 | 40 |
| 30 | Native oligomerization determines the mode of action and biological activities of human cathelicidin LL-37. <i>Biochemical Journal</i> , 2014, 457, 263-275. | 1.7 | 57 |
| 31 | Cellular Internalization and Cytotoxicity of the Antimicrobial Proline-rich Peptide Bac7(1-35) in Monocytes/Macrophages, and its Activity Against Phagocytosed <i>Salmonella typhimurium</i> . <i>Protein and Peptide Letters</i> , 2014, 21, 382-390. | 0.4 | 12 |
| 32 | Insights into the mechanism of interaction between trehalose-conjugated beta-sheet breaker peptides and A β (1-42) fibrils by molecular dynamics simulations. <i>Molecular BioSystems</i> , 2013, 9, 2835. | 2.9 | 32 |
| 33 | Selective antimicrobial activity and mode of action of adepantins, glycine-rich peptide antibiotics based on anuran antimicrobial peptide sequences. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2013, 1828, 1004-1012. | 1.4 | 67 |
| 34 | Defensins. , 2013, , 101-118. | | 3 |
| 35 | An Albumin-Derived Peptide Scaffold Capable of Binding and Catalysis. <i>PLoS ONE</i> , 2013, 8, e56469. | 1.1 | 10 |
| 36 | Synthesis and Biological Activity of Potent HIV-1 Protease Inhibitors Based on Phe-Pro Dihydroxyethylene Isosteres. <i>Journal of Medicinal Chemistry</i> , 2012, 55, 3900-3910. | 2.9 | 10 |

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|----|--|-----|-----------|
| 37 | Use of Unnatural Amino Acids to Probe Structure-Activity Relationships and Mode-of-Action of Antimicrobial Peptides. <i>Methods in Molecular Biology</i> , 2012, 794, 169-183. | 0.4 | 5 |
| 38 | DADP: the database of anuran defense peptides. <i>Bioinformatics</i> , 2012, 28, 1406-1407. | 1.8 | 163 |
| 39 | Comparative activity and mechanism of action of three types of bovine antimicrobial peptides against pathogenic <i>Prototheca</i> spp.. <i>Journal of Peptide Science</i> , 2012, 18, 105-113. | 0.8 | 23 |
| 40 | Designing Short Peptides with High Affinity for Organic Molecules: A Combined Docking, Molecular Dynamics, And Monte Carlo Approach. <i>Journal of Chemical Theory and Computation</i> , 2012, 8, 1121-1128. | 2.3 | 24 |
| 41 | Identification of antimicrobial peptides from teleosts and anurans in expressed sequence tag databases using conserved signal sequences. <i>FEBS Journal</i> , 2012, 279, 724-736. | 2.2 | 23 |
| 42 | Design and Engineering Strategies for Synthetic Antimicrobial Peptides. , 2011, , 81-98. | | 6 |
| 43 | Effects on antigen-presenting cells of short-term interaction with the human host defence peptide β 2-defensin 2. <i>Biochemical Journal</i> , 2011, 436, 537-546. | 1.7 | 14 |
| 44 | Proline-rich antimicrobial peptides: converging to a non-lytic mechanism of action. <i>Cellular and Molecular Life Sciences</i> , 2011, 68, 2317-2330. | 2.4 | 203 |
| 45 | Knowledge-based computational methods for identifying or designing novel, non-homologous antimicrobial peptides. <i>European Biophysics Journal</i> , 2011, 40, 371-385. | 1.2 | 50 |
| 46 | Characterization of a New Defensin from Cowpea (<i>Vigna unguiculata</i> (L.) Walp.). <i>Protein and Peptide Letters</i> , 2010, 17, 297-304. | 0.4 | 17 |
| 47 | Techniques for Plant Defensin Production. <i>Current Protein and Peptide Science</i> , 2010, 11, 231-235. | 0.7 | 5 |
| 48 | Histatins In Non-Human Primates: Gene Variations and Functional Effects. <i>Protein and Peptide Letters</i> , 2010, 17, 909-918. | 0.4 | 13 |
| 49 | Role of Cathelicidin Peptides in Bovine Host Defense and Healing. <i>Probiotics and Antimicrobial Proteins</i> , 2010, 2, 12-20. | 1.9 | 13 |
| 50 | Human β 2-Defensin 3 Inhibits Cell Wall Biosynthesis in Staphylococci. <i>Infection and Immunity</i> , 2010, 78, 2793-2800. | 1.0 | 231 |
| 51 | Broad-Spectrum Activity against Bacterial Mastitis Pathogens and Activation of Mammary Epithelial Cells Support a Protective Role of Neutrophil Cathelicidins in Bovine Mastitis. <i>Infection and Immunity</i> , 2010, 78, 1781-1788. | 1.0 | 73 |
| 52 | Overview on Plant Antimicrobial Peptides. <i>Current Protein and Peptide Science</i> , 2010, 11, 181-188. | 0.7 | 103 |
| 53 | Structural Aspects of Plant Antimicrobial Peptides. <i>Current Protein and Peptide Science</i> , 2010, 11, 210-219. | 0.7 | 65 |
| 54 | Design of selective peptide antibiotics by using the sequence moment concept. <i>Nature Precedings</i> , 2009, , , | 0.1 | 0 |

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|----|---|-----|-----------|
| 55 | Design of selective peptide antibiotics by using the sequence moment concept. Nature Precedings, 2009, , , | 0.1 | 0 |
| 56 | A Plant-Defensin from Sugarcane (<i>Saccharum</i> spp.). Protein and Peptide Letters, 2009, 16, 430-436. | 0.4 | 12 |
| 57 | ChBac3.4: A Novel Proline-Rich Antimicrobial Peptide from Goat Leukocytes. International Journal of Peptide Research and Therapeutics, 2009, 15, 31-42. | 0.9 | 26 |
| 58 | Structure dependence of biological activities for primate cathelicidins. Journal of Peptide Science, 2009, 15, 576-582. | 0.8 | 20 |
| 59 | Inhibition of cathelicidin activity by bacterial exopolysaccharides. Molecular Microbiology, 2009, 72, 1137-1146. | 1.2 | 46 |
| 60 | Computational Design of Highly Selective Antimicrobial Peptides. Journal of Chemical Information and Modeling, 2009, 49, 2873-2882. | 2.5 | 79 |
| 61 | Primate cathelicidin orthologues display different structures and membrane interactions. Biochemical Journal, 2009, 417, 727-735. | 1.7 | 40 |
| 62 | Artificial β -defensin based on a minimal defensin template. Biochemical Journal, 2009, 421, 435-447. | 1.7 | 24 |
| 63 | Structuring and interactions of human β -defensins 2 and 3 with model membranes. Journal of Peptide Science, 2008, 14, 518-523. | 0.8 | 39 |
| 64 | Evolution of the hepcidin gene in primates. BMC Genomics, 2008, 9, 120. | 1.2 | 18 |
| 65 | Investigating the Mode of Action of Proline-Rich Antimicrobial Peptides Using a Genetic Approach: A Tool to Identify New Bacterial Targets Amenable to the Design of Novel Antibiotics. Methods in Molecular Biology, 2008, 494, 161-176. | 0.4 | 14 |
| 66 | Mode of action of human β -defensin 3 against <i>Staphylococcus aureus</i> and transcriptional analysis of responses to defensin challenge. International Journal of Medical Microbiology, 2008, 298, 619-633. | 1.5 | 65 |
| 67 | The Human Cathelicidin LL-37 Modulates the Activities of the P2X7 Receptor in a Structure-dependent Manner. Journal of Biological Chemistry, 2008, 283, 30471-30481. | 1.6 | 121 |
| 68 | Analysis of in vitro activities and modes of action of synthetic antimicrobial peptides derived from an α -helical β -sequence template TM . Journal of Antimicrobial Chemotherapy, 2008, 61, 341-352. | 1.3 | 73 |
| 69 | Splitting the BLOSUM Score into Numbers of Biological Significance. Eurasip Journal on Bioinformatics and Systems Biology, 2007, 2007, 1-18. | 1.4 | 2 |
| 70 | Evolution of the Primate Cathelicidin. Journal of Biological Chemistry, 2006, 281, 19861-19871. | 1.6 | 99 |
| 71 | Alpha-helical antimicrobial peptides TM Using a sequence template to guide structure TM activity relationship studies. Biochimica Et Biophysica Acta - Biomembranes, 2006, 1758, 1436-1449. | 1.4 | 352 |
| 72 | The Non-Peptidic HIV Protease Inhibitor Tipranavir and Two Synthetic Peptidomimetics (TS98 and TS102) Modulate <i>Pneumocystis carinii</i> Growth and Proteasome Activity of HEL299 Cell Line. Journal of Eukaryotic Microbiology, 2006, 53, S144-S146. | 0.8 | 5 |

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|----|---|-----|-----------|
| 73 | Fungicidal activity of five cathelicidin peptides against clinically isolated yeasts. <i>Journal of Antimicrobial Chemotherapy</i> , 2006, 58, 950-959. | 1.3 | 125 |
| 74 | Human β -Defensin 2 Induces a Vigorous Cytokine Response in Peripheral Blood Mononuclear Cells. <i>Antimicrobial Agents and Chemotherapy</i> , 2006, 50, 1433-1441. | 1.4 | 89 |
| 75 | Cationic Antimicrobial Peptides – The Defensins. , 2006, , 55-66. | | 4 |
| 76 | Structural aspects and biological properties of the cathelicidin PMAP-36. <i>FEBS Journal</i> , 2005, 272, 4398-4406. | 2.2 | 51 |
| 77 | Primate β -defensins - Structure, Function and Evolution. <i>Current Protein and Peptide Science</i> , 2005, 6, 7-21. | 0.7 | 49 |
| 78 | Editorial [Hot Topic: Host Defense Peptide: Roles and Application (Guest Editor: Alessandro Tossi)]. <i>Current Protein and Peptide Science</i> , 2005, 6, 1-3. | 0.7 | 24 |
| 79 | Structure Based Design of Inhibitors of Aspartic Protease of HIV-1. <i>Letters in Drug Design and Discovery</i> , 2005, 2, 638-646. | 0.4 | 5 |
| 80 | Mammalian defensins: structures and mechanism of antibiotic activity. <i>Journal of Leukocyte Biology</i> , 2005, 77, 466-475. | 1.5 | 175 |
| 81 | Controlled alteration of the shape and conformational stability of α -helical cell-lytic peptides: effect on mode of action and cell specificity. <i>Biochemical Journal</i> , 2005, 390, 177-188. | 1.7 | 107 |
| 82 | Tuning the biological properties of amphipathic α -helical antimicrobial peptides: Rational use of minimal amino acid substitutions. <i>Peptides</i> , 2005, 26, 2368-2376. | 1.2 | 76 |
| 83 | Identification and optimization of an antimicrobial peptide from the ant venom toxin pilosulin. <i>Archives of Biochemistry and Biophysics</i> , 2005, 434, 358-364. | 1.4 | 60 |
| 84 | Effects of Positively Selected Sequence Variations in Human and <i>Macaca fascicularis</i> β -Defensin 2 on Antimicrobial Activity. <i>Antimicrobial Agents and Chemotherapy</i> , 2004, 48, 685-688. | 1.4 | 44 |
| 85 | In vitro assembly of a complete, pentaglycine interpeptide bridge containing cell wall precursor (lipid) Tj ETQq1 1 0.784314 rgBT /Ove 1.2 167 | | |
| 86 | Small hydroxyethylene-based peptidomimetics inhibiting both HIV-1 and <i>C. albicans</i> aspartic proteases. <i>Bioorganic and Medicinal Chemistry</i> , 2003, 11, 4719-4727. | 1.4 | 21 |
| 87 | Evolution of the beta defensin 2 gene in primates. <i>Genes and Immunity</i> , 2003, 4, 251-257. | 2.2 | 41 |
| 88 | A study of host defence peptide β -defensin 3 in primates. <i>Biochemical Journal</i> , 2003, 374, 707-714. | 1.7 | 69 |
| 89 | β -Defensin 2 in the Rhesus Monkey (<i>Macaca mulatta</i>) and the Long-Tailed Macaque (<i>M. fascicularis</i>). <i>Vaccine Journal</i> , 2002, 9, 503-504. | 3.2 | 1 |
| 90 | Analysis of the cytotoxicity of synthetic antimicrobial peptides on mouse leucocytes: implications for systemic use. <i>Journal of Antimicrobial Chemotherapy</i> , 2002, 50, 339-348. | 1.3 | 71 |

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| 91 | Molecular Diversity in Gene-Encoded, Cationic Antimicrobial Polypeptides. <i>Current Pharmaceutical Design</i> , 2002, 8, 743-761. | 0.9 | 131 |
| 92 | Solid-Phase Synthesis of Fullerene-peptides. <i>Journal of the American Chemical Society</i> , 2002, 124, 12543-12549. | 6.6 | 78 |
| 93 | Computational studies of the resistance patterns of mutant HIV-1 aspartic proteases towards ABT-538 (ritonavir) and design of new derivatives. <i>Journal of Molecular Graphics and Modelling</i> , 2002, 21, 171-179. | 1.3 | 12 |
| 94 | A Novel [60]Fullerene Amino Acid for Use in Solid-Phase Peptide Synthesis. <i>Organic Letters</i> , 2001, 3, 1845-1848. | 2.4 | 75 |
| 95 | Amphipathic α -helical antimicrobial peptides.. <i>FEBS Journal</i> , 2001, 268, 5589-5600. | 0.2 | 419 |
| 96 | Amphipathic α -helical antimicrobial peptides.. , 2001, 268, 5589. | | 18 |
| 97 | Editorial. <i>Biopolymers</i> , 2000, 55, 2-3. | 1.2 | 3 |
| 98 | Amphipathic, α -helical antimicrobial peptides. <i>Biopolymers</i> , 2000, 55, 4-30. | 1.2 | 1,102 |
| 99 | Aspartic protease inhibitors. <i>FEBS Journal</i> , 2000, 267, 1715-1722. | 0.2 | 27 |
| 100 | Amphipathic, α -helical antimicrobial peptides. , 2000, 55, 4. | | 17 |
| 101 | Stereoselective synthesis of non symmetric dihydroxyethylene dipeptide isosteres via epoxyalcohols derived from α -amino acids. <i>Bioorganic and Medicinal Chemistry Letters</i> , 1999, 9, 3027-3030. | 1.0 | 14 |
| 102 | A Computational Study of the Resistance of HIV-1 Aspartic Protease to the Inhibitors ABT-538 and VX-478 and Design of New Analogues. <i>Biochemical and Biophysical Research Communications</i> , 1998, 242, 545-551. | 1.0 | 22 |
| 103 | Wide-Spectrum Antibiotic Activity of Synthetic, Amphipathic Peptides. <i>Biochemical and Biophysical Research Communications</i> , 1998, 249, 202-206. | 1.0 | 53 |
| 104 | An Approach Combining Rapid cDNA Amplification and Chemical Synthesis for the Identification of Novel, Cathelicidin-Derived, Antimicrobial Peptides. , 1997, 78, 133-150. | | 38 |
| 105 | Versatile and Stereoselective Synthesis of Diamino Diol Dipeptide Isosteres, Core Units of Pseudopeptide HIV Protease Inhibitors. <i>Journal of Organic Chemistry</i> , 1997, 62, 9348-9353. | 1.7 | 40 |
| 106 | Design of Synthetic Antimicrobial Peptides Based on Sequence Analogy and Amphipathicity. <i>FEBS Journal</i> , 1997, 250, 549-558. | 0.2 | 121 |
| 107 | Purification and Structural Characterization of Bovine Cathelicidins, Precursors of Antimicrobial Peptides. <i>FEBS Journal</i> , 1996, 238, 769-776. | 0.2 | 56 |
| 108 | Design of new inhibitors of HIV-1 aspartic protease. <i>Chemical Physics</i> , 1996, 204, 173-180. | 0.9 | 14 |

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|-----|--|-----|-----------|
| 109 | PMAP-37, a Novel Antibacterial Peptide from Pig Myeloid Cells. cDNA Cloning, Chemical Synthesis and Activity. FEBS Journal, 1995, 228, 941-946. | 0.2 | 2 |
| 110 | Inhibition of OH Radical-induced Strand Break Formation of Poly(U) by Ru(bpy) ₂ ²⁺ or Ru(phen) ₂ ²⁺ Attached to the Polynucleotide. International Journal of Radiation Biology, 1995, 68, 525-533. | 1.0 | 0 |
| 111 | PMAP-37, a Novel Antibacterial Peptide from Pig Myeloid Cells. cDNA Cloning, Chemical Synthesis and Activity. FEBS Journal, 1995, 228, 941-946. | 0.2 | 90 |
| 112 | Photoaddition of ruthenium(II)-tris-1,4,5,8-tetraazaphenanthrene to DNA and mononucleotides. Journal of Photochemistry and Photobiology B: Biology, 1994, 23, 69-78. | 1.7 | 64 |
| 113 | Structural characterization of synthetic model peptides of the DNA-binding cI434 repressor by electrospray ionization and fast atom bombardment mass spectrometry. Biological Mass Spectrometry, 1994, 23, 727-733. | 0.5 | 3 |
| 114 | Substrate-Specificity of Cdc2 Kinase from Human HeLa-Cells as Determined with Synthetic Peptides and Molecular Modeling. Archives of Biochemistry and Biophysics, 1994, 315, 415-424. | 1.4 | 22 |
| 115 | Chemical synthesis and biological activity of a novel antibacterial peptide deduced from a pig myeloid cDNA. FEBS Letters, 1994, 337, 303-307. | 1.3 | 105 |
| 116 | Identification and characterization of a primary antibacterial domain in CAP18, a lipopolysaccharide binding protein from rabbit leukocytes. FEBS Letters, 1994, 339, 108-112. | 1.3 | 94 |
| 117 | Photoinduced interaction of Ru(bpy) ₃ ²⁺ with nucleotides and nucleic acids in the presence of S ₂ O ₈ ²⁻ : A transient conductivity study. Journal of Photochemistry and Photobiology B: Biology, 1993, 17, 115-125. | 1.7 | 13 |
| 118 | PHOTOINDUCED ELECTRON TRANSFER FROM NUCLEOTIDES TO RUTHENIUM-TRIS(1,4,5,8-TETRAAZAPHENANTHRENE): MODEL FOR PHOTOSENSITIZED DNA OXIDATION. Photochemistry and Photobiology, 1992, 55, 681-689. | 1.3 | 109 |
| 119 | Medium dependence of the spectroscopic and photophysical properties of Ru(bpy) ₂ (HAT) ₂ ⁺ . The effect of solvent, pH and binding to polyelectrolytes. Journal of Photochemistry and Photobiology A: Chemistry, 1991, 60, 27-45. | 2.0 | 43 |
| 120 | Site-specific photocleavage of DNA. Journal of Photochemistry and Photobiology B: Biology, 1990, 7, 97-100. | 1.7 | 2 |
| 121 | PHOTOSENSITIZED REACTIONS OF POLY(U) WITH TRIS(2,2' BIPYRIDYL)RUTHENIUM(II) AND PEROXYDISULFATE. Photochemistry and Photobiology, 1989, 50, 585-597. | 1.3 | 14 |
| 122 | A STUDY OF SOME POLYPYRIDYL RUTHENIUM(II) COMPLEXES AS DNA BINDERS AND PHOTOCLEAVAGE REAGENTS. Photochemistry and Photobiology, 1989, 49, 545-556. | 1.3 | 176 |
| 123 | Interaction of Ruthenium Complexes with Nucleic Acids. DNA Damage Via Photosensitized Radical Production. Free Radical Research Communications, 1989, 6, 171-173. | 1.8 | 6 |
| 124 | Binding of Ru(bpy) ₃ ²⁺ and Ru(phen) ₃ ²⁺ to polynucleotides and DNA: Effect of added salts on the absorption and luminescence properties. Journal of Photochemistry and Photobiology B: Biology, 1988, 2, 67-89. | 1.7 | 54 |
| 125 | Ruthenium polypyridyl complexes; their interaction with DNA and their role as sensitizers for its photocleavage. Journal of the Chemical Society Chemical Communications, 1987, , 1821. | 2.0 | 100 |
| 126 | A study of the interactions of some polypyridylruthenium(II) complexes with DNA using fluorescence spectroscopy, topoisomerisation and thermal denaturation. Nucleic Acids Research, 1985, 13, 6017-6034. | 6.5 | 846 |