

Ludovico Migliolo

List of Publications by Year in descending order

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Version: 2024-02-01

63
papers

1,720
citations

218662

26
h-index

302107

39
g-index

64
all docs

64
docs citations

64
times ranked

2477
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Pharmaceuticals residues and xenobiotics contaminants: Occurrence, analytical techniques and sustainable alternatives for wastewater treatment. <i>Science of the Total Environment</i> , 2020, 705, 135568. | 8.0 | 160 |
| 2 | Insights into Animal and Plant Lectins with Antimicrobial Activities. <i>Molecules</i> , 2015, 20, 519-541. | 3.8 | 79 |
| 3 | Identification and Structural Characterization of Novel Cyclotide with Activity against an Insect Pest of Sugar Cane. <i>Journal of Biological Chemistry</i> , 2012, 287, 134-147. | 3.4 | 78 |
| 4 | Ibuprofen and caffeine removal in vertical flow and free-floating macrophyte constructed wetlands with <i>Heliconia rostrata</i> and <i>Eichornia crassipes</i> . <i>Chemical Engineering Journal</i> , 2019, 373, 458-467. | 12.7 | 76 |
| 5 | Non-Lytic Antibacterial Peptides That Translocate Through Bacterial Membranes to Act on Intracellular Targets. <i>International Journal of Molecular Sciences</i> , 2019, 20, 4877. | 4.1 | 68 |
| 6 | Identification of an antifungal peptide from <i>Trapa natans</i> fruits with inhibitory effects on <i>Candida tropicalis</i> biofilm formation. <i>Peptides</i> , 2011, 32, 1741-1747. | 2.4 | 57 |
| 7 | Neuroinflammation: An overview of neurodegenerative and metabolic diseases and of biotechnological studies. <i>Neurochemistry International</i> , 2020, 136, 104714. | 3.8 | 53 |
| 8 | Bioinsecticidal activity of a novel Kunitz trypsin inhibitor from <i>Catanduva</i> (<i>Piptadenia moniliformis</i>) seeds. <i>Plant Physiology and Biochemistry</i> , 2013, 70, 61-68. | 5.8 | 52 |
| 9 | Structural and mechanistic insights into a novel non-competitive Kunitz trypsin inhibitor from <i>Adenanthera pavonina</i> L. seeds with double activity toward serine- and cysteine-proteinases. <i>Journal of Molecular Graphics and Modelling</i> , 2010, 29, 148-156. | 2.4 | 50 |
| 10 | Identification and characterization of a bactericidal and proapoptotic peptide from <i>Cycas revoluta</i> seeds with DNA binding properties. <i>Journal of Cellular Biochemistry</i> , 2012, 113, 184-193. | 2.6 | 50 |
| 11 | Purification and characterization of a trypsin-papain inhibitor from <i>Pithecelobium dumosum</i> seeds and its in vitro effects towards digestive enzymes from insect pests. <i>Plant Physiology and Biochemistry</i> , 2007, 45, 858-865. | 5.8 | 48 |
| 12 | A polyalanine peptide derived from polar fish with anti-infectious activities. <i>Scientific Reports</i> , 2016, 6, 21385. | 3.3 | 46 |
| 13 | Evaluation of an Antimicrobial L-Amino Acid Oxidase and Peptide Derivatives from <i>Bothropoides matogrossensis</i> Pitviper Venom. <i>PLoS ONE</i> , 2012, 7, e33639. | 2.5 | 45 |
| 14 | Cn-AMP1: A new promiscuous peptide with potential for microbial infections treatment. <i>Biopolymers</i> , 2012, 98, 322-331. | 2.4 | 45 |
| 15 | Functional characterization of a synthetic hydrophilic antifungal peptide derived from the marine snail <i>Cenchritis muricatus</i> . <i>Biochimie</i> , 2012, 94, 968-974. | 2.6 | 44 |
| 16 | A lactose specific lectin from the sponge <i>Cinachyrella apion</i> : Purification, characterization, N-terminal sequences alignment and agglutinating activity on <i>Leishmania promastigotes</i> . <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2010, 155, 211-216. | 1.6 | 40 |
| 17 | Practical and theoretical characterization of <i>Inga laurina</i> Kunitz inhibitor on the control of <i>Homalinotus coriaceus</i> . <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2011, 158, 164-172. | 1.6 | 38 |
| 18 | Cm-p5: an antifungal hydrophilic peptide derived from the coastal mollusk <i>Cenchritis muricatus</i> (Gastropoda: Littorinidae). <i>FASEB Journal</i> , 2015, 29, 3315-3325. | 0.5 | 38 |

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|----|--|-----|-----------|
| 19 | Predicting antimicrobial peptides from eukaryotic genomes: In silico strategies to develop antibiotics. <i>Peptides</i> , 2012, 37, 301-308. | 2.4 | 37 |
| 20 | Structural and functional evaluation of the palindromic alanine-rich antimicrobial peptide Pa -MAP2. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2016, 1858, 1488-1498. | 2.6 | 35 |
| 21 | Structural and Functional Characterization of a Multifunctional Alanine-Rich Peptide Analogue from <i>Pleuronectes americanus</i> . <i>PLoS ONE</i> , 2012, 7, e47047. | 2.5 | 35 |
| 22 | Characterization and Pharmacological Properties of a Novel Multifunctional Kunitz Inhibitor from <i>Erythrina velutina</i> Seeds. <i>PLoS ONE</i> , 2013, 8, e63571. | 2.5 | 34 |
| 23 | Linear antimicrobial peptides with activity against herpes simplex virus 1 and Aichi virus. <i>Biopolymers</i> , 2017, 108, e22871. | 2.4 | 34 |
| 24 | Functional and structural insights on self-assembled nanofiber-based novel antibacterial ointment from antimicrobial peptides, bacitracin and gramicidin S. <i>Journal of Antibiotics</i> , 2014, 67, 771-775. | 2.0 | 32 |
| 25 | Inhibitory effects of a Kunitz-type inhibitor from <i>Pithecellobium dumosum</i> (Benth) seeds against insect-pests' digestive proteinases. <i>Plant Physiology and Biochemistry</i> , 2013, 63, 70-76. | 5.8 | 28 |
| 26 | Identification of a Kunitz-Type Proteinase Inhibitor from <i>Pithecellobium dumosum</i> Seeds with Insecticidal Properties and Double Activity. <i>Journal of Agricultural and Food Chemistry</i> , 2007, 55, 7342-7349. | 5.2 | 26 |
| 27 | The rescue of botanical insecticides: A bioinspiration for new niches and needs. <i>Pesticide Biochemistry and Physiology</i> , 2017, 143, 14-25. | 3.6 | 26 |
| 28 | Characterization of a Bioactive Acyclotide from <i>Palicourea rigida</i> . <i>Journal of Natural Products</i> , 2016, 79, 2767-2773. | 3.0 | 25 |
| 29 | Glucose Directly Promotes Antifungal Resistance in the Fungal Pathogen, <i>Candida</i> spp.. <i>Journal of Biological Chemistry</i> , 2014, 289, 25469-25473. | 3.4 | 24 |
| 30 | Antifungal nanofibers made by controlled release of sea animal derived peptide. <i>Nanoscale</i> , 2015, 7, 6238-6246. | 5.6 | 23 |
| 31 | A structural perspective of plant antimicrobial peptides. <i>Biochemical Journal</i> , 2018, 475, 3359-3375. | 3.7 | 23 |
| 32 | A New Salt-Tolerant Thermostable Cellulase from a Marine <i>Bacillus</i> sp. Strain. <i>Journal of Microbiology and Biotechnology</i> , 2018, 28, 1078-1085. | 2.1 | 23 |
| 33 | In vivo antimicrobial evaluation of an alanine-rich peptide derived from <i>Pleuronectes americanus</i> . <i>Peptides</i> , 2013, 42, 144-148. | 2.4 | 20 |
| 34 | Identification of a Novel Antimicrobial Peptide from Brazilian Coast Coral <i>Phyllogorgia dilatata</i> . <i>Protein and Peptide Letters</i> , 2013, 20, 1153-1158. | 0.9 | 18 |
| 35 | A Kunitz Proteinase Inhibitor from Corms of <i>Xanthosoma blandum</i> with Bactericidal Activity. <i>Journal of Natural Products</i> , 2011, 74, 969-975. | 3.0 | 17 |
| 36 | A Novel Vasoactive Proline-Rich Oligopeptide from the Skin Secretion of the Frog <i>Brachycephalus ephippium</i> . <i>PLoS ONE</i> , 2015, 10, e0145071. | 2.5 | 17 |

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|----|---|-----|-----------|
| 37 | Controlling resistant bacteria with a novel class of β -lactamase inhibitor peptides: from rational design to in vivo analyses. <i>Scientific Reports</i> , 2014, 4, 6015. | 3.3 | 16 |
| 38 | Antimicrobial and immunomodulatory activity of host defense peptides, clavanins and LL-37, in vitro : An endodontic perspective. <i>Peptides</i> , 2017, 95, 16-24. | 2.4 | 16 |
| 39 | Two Kunitz-Type Inhibitors with Activity Against Trypsin and Papain from <i>Pithecellobium dumosum</i> Seeds: Purification, Characterization, and Activity Towards Pest Insect Digestive Enzyme. <i>Protein and Peptide Letters</i> , 2009, 16, 1526-1532. | 0.9 | 15 |
| 40 | Impact of the metabolic syndrome on the evolution of neurodegenerative diseases. <i>Neural Regeneration Research</i> , 2021, 16, 688. | 3.0 | 11 |
| 41 | Elucidation of mechanisms of interaction of a multifunctional peptide Pa-MAP with lipid membranes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2014, 1838, 2899-2909. | 2.6 | 10 |
| 42 | Beneficial effects of resistance training on the protein profile of the calcaneal tendon during aging. <i>Experimental Gerontology</i> , 2017, 100, 54-62. | 2.8 | 10 |
| 43 | Biochemical aspects and therapeutic mechanisms of cannabidiol in epilepsy. <i>Neuroscience and Biobehavioral Reviews</i> , 2022, 132, 1214-1228. | 6.1 | 10 |
| 44 | Antisense peptide nucleic acid inhibits the growth of KPC-producing <i>Klebsiella pneumoniae</i> strain. <i>Research in Microbiology</i> , 2021, 172, 103837. | 2.1 | 9 |
| 45 | The Use of MALDI-TOF-MS and <i>In Silico</i> Studies for Determination of Antimicrobial Peptides'™ Affinity to Bacterial Cells. <i>Journal of the American Society for Mass Spectrometry</i> , 2012, 23, 1939-1948. | 2.8 | 7 |
| 46 | Structural insights regarding an insecticidal <i>Talisia esculenta</i> protein and its biotechnological potential for <i>Diatraea saccharalis</i> larval control. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2012, 161, 86-92. | 1.6 | 7 |
| 47 | Identification of a Napin-Like Peptide from <i>Eugenia malaccensis</i> L. Seeds with Inhibitory Activity Toward <i>Staphylococcus aureus</i> and <i>Salmonella Enteritidis</i> . <i>Protein Journal</i> , 2014, 33, 549-556. | 1.6 | 7 |
| 48 | Anti-leukemia activity of semi-synthetic phenolic derivatives from <i>Polygonum limbatum</i> Meisn.. <i>Chemistry Central Journal</i> , 2015, 9, 40. | 2.6 | 7 |
| 49 | Vicilin from <i>Anadenanthera colubrina</i> Seeds: An alternative tool to combat <i>Callosobruchus maculatus</i> . <i>Saudi Journal of Biological Sciences</i> , 2021, 28, 5229-5237. | 3.8 | 7 |
| 50 | Pharmacological Potential of Exercise and RAS Vasoactive Peptides for Prevention of Diseases. <i>Current Protein and Peptide Science</i> , 2013, 14, 459-471. | 1.4 | 7 |
| 51 | Purification, Characterization and Evaluation of the Antitumoral Activity of a Phospholipase A2 from the Snake <i>Bothrops moojeni</i> . <i>Pharmaceuticals</i> , 2022, 15, 724. | 3.8 | 7 |
| 52 | Antibiofilm Activity of Acidic Phospholipase Isoform Isolated from <i>Bothrops erythromelas</i> Snake Venom. <i>Toxins</i> , 2020, 12, 606. | 3.4 | 6 |
| 53 | Effect of Moderate Exercise on Mitochondrial Proteome in Heart Tissue of Spontaneous Hypertensive Rats. <i>American Journal of Hypertension</i> , 2016, 29, 696-704. | 2.0 | 5 |
| 54 | Synthetic peptides bioinspired in temporin-PTa with antibacterial and antibiofilm activity. <i>Chemical Biology and Drug Design</i> , 2022, , . | 3.2 | 5 |

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|----|---|-----|-----------|
| 55 | Dual Insecticidal Effects of Adenantha pavonina Kunitz-Type Inhibitor on <i>Plodia interpunctella</i> is Mediated by Digestive Enzymes Inhibition and Chitin-Binding Properties. <i>Molecules</i> , 2019, 24, 4344. | 3.8 | 4 |
| 56 | Antibacterial activity and synergism of the essential oil of <i>Nectandra megapotamica</i> (L.) flowers against OXA-23-producing <i>Acinetobacter baumannii</i> . <i>Journal of Essential Oil Research</i> , 2020, 32, 260-268. | 2.7 | 4 |
| 57 | Purified citritin in combination with vancomycin inhibits VRE in vitro and in vivo. <i>Microbiology (United Kingdom)</i> , 2017, 163, 1525-1531. | 1.8 | 4 |
| 58 | The Kunitz chymotrypsin inhibitor from <i>Erythrina velutina</i> seeds displays activity against HeLa cells through arrest in cell cycle. <i>3 Biotech</i> , 2022, 12, 19. | 2.2 | 2 |
| 59 | Pa-MAP 1.5 and 1.9: Mechanisms of Action of two Antimicrobial Peptides. <i>Biophysical Journal</i> , 2016, 110, 78a. | 0.5 | 0 |
| 60 | Rational design of analogs peptides from <i>Tityus serrulatus</i> scorpion toxin against pathogenic bacteria. <i>Toxicon</i> , 2020, 177, S55-S56. | 1.6 | 0 |
| 61 | Bioinformatics inspiring peptides from toxins as a new alternative in obesity treatment. <i>Research, Society and Development</i> , 2021, 10, e432101422057. | 0.1 | 0 |
| 62 | Study of the modulator effect of oil chia (<i>Salvia hispanica</i> L.) associated with benzo(a)pyrene and doxorubicin hydrochloride. <i>Research, Society and Development</i> , 2022, 11, e23611427254. | 0.1 | 0 |
| 63 | Secondary metabolites with antitumor activity: a review. <i>Research, Society and Development</i> , 2022, 11, e49511326786. | 0.1 | 0 |