Octavio Franco

List of Publications by Year
in descending order

454 papers	15,259 citations	22132 59 h-index	40954 93 g-index
468 all docs	468 docs citations	468 times ranked	18302 citing authors

#	Article	IF	Citations
1	Plant Î±-amylase inhibitors and their interaction with insect Î±-amylases. FEBS Journal, 2002, 269, 397-412.	0.2	407
2	Peptides with Dual Antimicrobial and Anticancer Activities. Frontiers in Chemistry, 2017, 5, 5.	1.8	294
3	Bacterial Contribution in Chronicity of Wounds. Microbial Ecology, 2017, 73, 710-721.	1.4	260
4	Antibiotic Adjuvants: Diverse Strategies for Controlling Drugâ€Resistant Pathogens. Chemical Biology and Drug Design, 2015, 85, 56-78.	1.5	245
5	Exercise induction of gut microbiota modifications in obese, non-obese and hypertensive rats. BMC Genomics, 2014, 15, 511.	1.2	244
6	Antiviral peptides as promising therapeutic drugs. Cellular and Molecular Life Sciences, 2019, 76, 3525-3542.	2.4	213
7	Recent Advances in Anti-virulence Therapeutic Strategies With a Focus on Dismantling Bacterial Membrane Microdomains, Toxin Neutralization, Quorum-Sensing Interference and Biofilm Inhibition. Frontiers in Cellular and Infection Microbiology, 2019, 9, 74.	1.8	198
8	Activity of wheat Î±-amylase inhibitors towards bruchid Î±-amylases and structural explanation of observed specificities. FEBS Journal, 2000, 267, 2166-2173.	0.2	181
9	In silico optimization of a guava antimicrobial peptide enables combinatorial exploration for peptide design. Nature Communications, 2018, 9, 1490.	5.8	179
10	Synthetic antibiofilm peptides. Biochimica Et Biophysica Acta - Biomembranes, 2016, 1858, 1061-1069.	1.4	173
11	Current scenario of peptide-based drugs: the key roles of cationic antitumor and antiviral peptides. Frontiers in Microbiology, 2013, 4, 321.	1.5	159
12	Plant Î³-thionins: Novel insights on the mechanism of action of a multi-functional class of defense proteins. International Journal of Biochemistry and Cell Biology, 2005, 37, 2239-2253.	1.2	157
13	Antimicrobial Peptides and Nanotechnology, Recent Advances and Challenges. Frontiers in Microbiology, 2018, 9, 855.	1.5	151
14	The next generation of antimicrobial peptides (AMPs) as molecular therapeutic tools for the treatment of diseases with social and economic impacts. Drug Discovery Today, 2017, 22, 234-248.	3.2	143
15	Antimicrobial peptides from marine invertebrates as a new frontier for microbial infection control. FASEB Journal, 2010, 24, 1320-1334.	0.2	142
16	Understanding bacterial resistance to antimicrobial peptides: From the surface to deep inside. Biochimica Et Biophysica Acta - Biomembranes, 2015, 1848, 3078-3088.	1.4	136
17	Expression systems for heterologous production of antimicrobial peptides. Peptides, 2012, 38, 446-456.	1.2	135
18	Computer-Aided Design of Antimicrobial Peptides: Are We Generating Effective Drug Candidates?. Frontiers in Microbiology, 2019, 10, 3097.	1.5	128

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19	Plant storage proteins with antimicrobial activity: novel insights into plant defense mechanisms. FASEB Journal, 2011, 25, 3290-3305.	0.2	125
20	Designing improved active peptides for therapeutic approaches against infectious diseases. Biotechnology Advances, 2018, 36, 415-429.	6.0	125
21	Peptide promiscuity: An evolutionary concept for plant defense. FEBS Letters, 2011, 585, 995-1000.	1.3	123
22	Plantâ€“pathogen interactions: what is proteomics telling us?. FEBS Journal, 2008, 275, 3731-3746.	2.2	122
23	The microbiota: an exercise immunology perspective. Exercise Immunology Review, 2015, 21, 70-9.	0.4	116
24	Antibacterial Peptides from Plants: What They Are and How They Probably Work. Biochemistry Research International, 2011, 2011, 1-9.	1.5	115
25	Computational tools for exploring sequence databases as a resource for antimicrobial peptides. Biotechnology Advances, 2017, 35, 337-349.	6.0	111
26	Structure-function-guided exploration of the antimicrobial peptide polybia-CP identifies activity determinants and generates synthetic therapeutic candidates. Communications Biology, 2018, 1, 221.	2.0	111
27	New frontiers for anti-biofilm drug development. , 2016, 160, 133-144.		110
28	The use of versatile plant antimicrobial peptides in agribusiness and human health. Peptides, 2014, 55, 65-78.	1.2	106
29	Identification and structural insights of three novel antimicrobial peptides isolated from green coconut water. Peptides, 2009, 30, 633-637.	1.2	105
30	An anti-infective synthetic peptide with dual antimicrobial and immunomodulatory activities. Scientific Reports, 2016, 6, 35465.	1.6	105
31	Inhibition of trypsin by cowpea thionin: Characterization, molecular modeling, and docking. Proteins: Structure, Function and Bioinformatics, 2002, 48, 311-319.	1.5	104
32	Challenges and future prospects of antibiotic therapy: from peptides to phages utilization. Frontiers in Pharmacology, 2014, 5, 105.	1.6	104
33	Lipopeptides in microbial infection control: Scope and reality for industry. Biotechnology Advances, 2013, 31, 338-345.	6.0	102
34	Lovastatin production: From molecular basis to industrial process optimization. Biotechnology Advances, 2015, 33, 648-665.	6.0	99
35	Identification of Lactic Acid Bacteria in Fruit Pulp Processing Byproducts and Potential Probiotic Properties of Selected Lactobacillus Strains. Frontiers in Microbiology, 2016, 7, 1371.	1.5	98
36	The role of antimicrobial peptides in plant immunity. Journal of Experimental Botany, 2018, 69, 4997-5011.	2.4	98

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37	Antibiofilm Peptides Increase the Susceptibility of Carbapenemase-Producing Klebsiella pneumoniae Clinical Isolates to Î²-Lactam Antibiotics. Antimicrobial Agents and Chemotherapy, 2015, 59, 3906-3912.	1.4	97
38	Novel insights on the mechanism of action of Î±â€ɑmylase inhibitors from the plant defensin family. Proteins: Structure, Function and Bioinformatics, 2008, 73, 719-729.	1.5	94
39	Identification of a novel storage glycine-rich peptide from guava (Psidium guajava) seeds with activity against Gram-negative bacteria. Peptides, 2008, 29, 1271-1279.	1.2	94
40	Antimicrobial peptides: Role in human disease and potential as immunotherapies. , 2017, 178, 132-140.		92
41	Proteomic approaches to study plantâ€"pathogen interactions. Phytochemistry, 2010, 71, 351-362.	1.4	90
42	Identification of a cowpea Î³-thionin with bactericidal activity. FEBS Journal, 2006, 273, 3489-3497.	2.2	88
43	Antimicrobial magnetic nanoparticles based-therapies for controlling infectious diseases. International Journal of Pharmaceutics, 2019, 555, 356-367.	2.6	88
44	A Review of Computational Tools in microRNA Discovery. Frontiers in Genetics, 2013, 4, 81.	1.1	86
45	CS-AMPPred: An Updated SVM Model for Antimicrobial Activity Prediction in Cysteine-Stabilized Peptides. PLoS ONE, 2012, 7, e51444.	1.1	84
46	Effects of oregano essential oil and carvacrol on biofilms of Staphylococcus aureus from food-contact surfaces. Food Control, 2017, 73, 1237-1246.	2.8	83
47	Effect of feed supplementation with biosynthesized silver nanoparticles using leaf extract of Morus indica L. V1 on Bombyx mori L. (Lepidoptera: Bombycidae). Scientific Reports, 2019, 9, 14839.	1.6	82
48	Biotechnological potential of antimicrobial peptides from flowers. Peptides, 2008, 29, 1842-1851.	1.2	80
49	Animal venoms as antimicrobial agents. Biochemical Pharmacology, 2017, 134, 127-138.	2.0	80
50	Insights into Animal and Plant Lectins with Antimicrobial Activities. Molecules, 2015, 20, 519-541.	1.7	79
51	Identification and Structural Characterization of Novel Cyclotide with Activity against an Insect Pest of Sugar Cane. Journal of Biological Chemistry, 2012, 287, 134-147.	1.6	78
52	Purification, biochemical characterisation and partial primary structure of a new Î±-amylase inhibitor from Secale cereale (rye). International Journal of Biochemistry and Cell Biology, 2000, 32, 1195-1204.	1.2	76
53	Circulating miR-1, miR-133a, and miR-206 levels are increased after a half-marathon run. Biomarkers, 2014, 19, 585-589.	0.9	74
54	Characterization of the Antimicrobial Peptide Penisin, a Class Ia Novel Lantibiotic from Paenibacillus sp. Strain A3. Antimicrobial Agents and Chemotherapy, 2016, 60, 580-591.	1.4	73

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55	Effects of Acute Aerobic Exercise on Rats Serum Extracellular Vesicles Diameter, Concentration and Small RNAs Content. Frontiers in Physiology, 2018, 9, 532.	1.3	71
56	Bacterial resistance mechanism: what proteomics can elucidate. FASEB Journal, 2013, 27, 1291-1303.	0.2	69
57	Non-Lytic Antibacterial Peptides That Translocate Through Bacterial Membranes to Act on Intracellular Targets. International Journal of Molecular Sciences, 2019, 20, 4877.	1.8	68
58	Cysteine-stabilized Î±Î² defensins: From a common fold to antibacterial activity. Peptides, 2015, 72, 64-72.	1.2	67
59	Metaproteomics as a Complementary Approach to Gut Microbiota in Health and Disease. Frontiers in Chemistry, 2017, 5, 4.	1.8	67
60	Diabetes mellitus and inflammatory pulpal and periapical disease: a review. International Endodontic Journal, 2013, 46, 700-709.	2.3	66
61	Induced Bacterial Cross-Resistance toward Host Antimicrobial Peptides: A Worrying Phenomenon. Frontiers in Microbiology, 2016, 7, 381.	1.5	66
62	An antifungal peptide from passion fruit (Passiflora edulis) seeds with similarities to 2S albumin proteins. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2006, 1764, 1141-1146.	1.1	64
63	Selective amino acid substitution reduces cytotoxicity of the antimicrobial peptide mastoparan. Biochimica Et Biophysica Acta - Biomembranes, 2016, 1858, 2699-2708.	1.4	63
64	Plant cyclotides: An unusual class of defense compounds. Peptides, 2007, 28, 1475-1481.	1.2	61
65	Inhibition of insect pest Î±-amylases by little and finger millet inhibitors. Pesticide Biochemistry and Physiology, 2006, 85, 155-160.	1.6	60
66	Nanostructured sensor based on carbon nanotubes and clavanin A for bacterial detection. Colloids and Surfaces B: Biointerfaces, 2015, 135, 833-839.	2.5	60
67	Activity toward Bruchid Pest of a Kunitz-Type Inhibitor from Seeds of the Algaroba Tree (Prosopis) Tj ETQq1 1 0.784314 rgBT /Overlock	1.6	59
68	Effects of black-eyed pea trypsin/chymotrypsin inhibitor on proteolytic activity and on development of Anthonomus grandis. Phytochemistry, 2003, 63, 343-349.	1.4	59
69	Pyrazine Functionalized Ag(I) and Au(I)-NHC Complexes are Potential Antibacterial Agents. Current Medicinal Chemistry, 2012, 19, 4184-4193.	1.2	59
70	Prediction of antimicrobial peptides based on the adaptive neuroâ€fuzzy inference system application. Biopolymers, 2012, 98, 280-287.	1.2	58
71	Head and neck cancer. Cancer, 2010, 116, 4914-4925.	2.0	57
72	Identification of an antifungal peptide from Trapa natans fruits with inhibitory effects on Candida tropicalis biofilm formation. Peptides, 2011, 32, 1741-1747.	1.2	57

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73	Mastoparan is a membranolytic anti-cancer peptide that works synergistically with gemcitabine in a mouse model of mammary carcinoma. Biochimica Et Biophysica Acta - Biomembranes, 2016, 1858, 3195-3204.	1.4	57
74	Interference With Quorum-Sensing Signal Biosynthesis as a Promising Therapeutic Strategy Against Multidrug-Resistant Pathogens. Frontiers in Cellular and Infection Microbiology, 2018, 8, 444.	1.8	57
75	Effects of Antibiotic Treatment on Gut Microbiota and How to Overcome Its Negative Impacts on Human Health. ACS Infectious Diseases, 2020, 6, 2544-2559.	1.8	57
76	N, Nâ€²-Olefin Functionalized Bis-Imidazolium Gold(I) Salt Is an Efficient Candidate to Control Keratitis-Associated Eye Infection. PLoS ONE, 2013, 8, e58346.	1.1	57
77	Effects of soybean Kunitz trypsin inhibitor on the cotton boll weevil (A nthonomus grandis). Phytochemistry, 2004, 65, 81-89.	1.4	56
78	Snake venoms: attractive antimicrobial proteinaceous compounds for therapeutic purposes. Cellular and Molecular Life Sciences, 2013, 70, 4645-4658.	2.4	56
79	Theoretical structural insights into the snakin/GASA family. Peptides, 2013, 44, 163-167.	1.2	55
80	Antimicrobial Peptides from Fruits and Their Potential Use as Biotechnological Toolsâ€"A Review and Outlook. Frontiers in Microbiology, 2016, 7, 2136.	1.5	54
81	Purification, biochemical characterization and self-assembled structure of a fengycin-like antifungal peptide from Bacillus thuringiensis strain SM1. Frontiers in Microbiology, 2013, 4, 332.	1.5	53
82	The Effects of Acute and Chronic Exercise on Skeletal Muscle Proteome. Journal of Cellular Physiology, 2017, 232, 257-269.	2.0	53
83	Joker: An algorithm to insert patterns into sequences for designing antimicrobial peptides. Biochimica Et Biophysica Acta - General Subjects, 2018, 1862, 2043-2052.	1.1	53
84	Molecular cloning of alpha-amylases from cotton boll weevil, Anthonomus grandis and structural relations to plant inhibitors: an approach to insect resistance. The Protein Journal, 2003, 22, 77-87.	1.1	52
85	Bioinsecticidal activity of a novel Kunitz trypsin inhibitor from Catanduva (Piptadenia moniliformis) seeds. Plant Physiology and Biochemistry, 2013, 70, 61-68.	2.8	52
86	Review: Potential biotechnological assets related to plant immunity modulation applicable in engineering disease-resistant crops. Plant Science, 2018, 270, 72-84.	1.7	52
87	In Vivo Bioinsecticidal Activity towardCeratitis capitata(Fruit Fly) andCallosobruchus maculatus(Cowpea Weevil) and in Vitro Bioinsecticidal Activity toward Different Orders of Insect Pests of a Trypsin Inhibitor Purified from Tamarind Tree (Tamarindus indica) Seeds. Journal of Agricultural and Food Chemistry, 2005, 53, 4381-4387.	2.4	51
88	Exploring the pharmacological potential of promiscuous host-defense peptides: from natural screenings to biotechnological applications. Frontiers in Microbiology, 2011, 2, 232.	1.5	51
89	Identification of multifunctional peptides from human milk. Peptides, 2014, 56, 84-93.	1.2	51
90	Antimicrobial activity predictors benchmarking analysis using shuffled and designed synthetic peptides. Journal of Theoretical Biology, 2017, 426, 96-103.	0.8	51

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91	Phenolic Compounds in Antimicrobial Therapy. Journal of Medicinal Food, 2017, 20, 1031-1038.	0.8	51
92	Synthetic Biology and Computer-Based Frameworks for Antimicrobial Peptide Discovery. ACS Nano, 2021, 15, 2143-2164.	7.3	51
93	Structural and mechanistic insights into a novel non-competitive Kunitz trypsin inhibitor from Adenanthera pavonina L. seeds with double activity toward serine- and cysteine-proteinases. Journal of Molecular Graphics and Modelling, 2010, 29, 148-156.	1.3	50
94	Identification and characterization of a bactericidal and proapoptotic peptide from <i>cycas revoluta</i> seeds with DNA binding properties. Journal of Cellular Biochemistry, 2012, 113, 184-193.	1.2	50
95	Neuromicrobiology: How Microbes Influence the Brain. ACS Chemical Neuroscience, 2018, 9, 141-150.	1.7	50
96	Bioactive Peptides Against Fungal Biofilms. Frontiers in Microbiology, 2019, 10, 2169.	1.5	50
97	Antimicrobial activity of recombinant Pg-AMP1, a glycine-rich peptide from guava seeds. Peptides, 2012, 37, 294-300.	1.2	48
98	In silico identification of novel hevein-like peptide precursors. Peptides, 2012, 38, 127-136.	1.2	48
99	New edge of antibiotic development: antimicrobial peptides and corresponding resistance. Frontiers in Microbiology, 2014, 5, 147.	1.5	48
100	Repurposing a peptide toxin from wasp venom into antiinfectives with dual antimicrobial and immunomodulatory properties. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 26936-26945.	3.3	48
101	Is There an Exercise-Intensity Threshold Capable of Avoiding the Leaky Gut?. Frontiers in Nutrition, 2021, 8, 627289.	1.6	48
102	In vivo proteome analysis of Xanthomonas campestris pv. campestris in the interaction with the host plant Brassica oleracea. FEMS Microbiology Letters, 2008, 281, 167-174.	0.7	47
103	A polyalanine peptide derived from polar fish with anti-infectious activities. Scientific Reports, 2016, 6, 21385.	1.6	46
104	Evaluation of an Antimicrobial L-Amino Acid Oxidase and Peptide Derivatives from Bothropoides mattogrosensis Pitviper Venom. PLoS ONE, 2012, 7, e33639.	1.1	45
105	<i>Cn</i>â€AMP1: A new promiscuous peptide with potential for microbial infections treatment. Biopolymers, 2012, 98, 322-331.	1.2	45
106	Designing metallodrugs with nuclease and protease activity. Metallomics, 2016, 8, 1159-1169.	1.0	45
107	A simple nanostructured biosensor based on clavanin A antimicrobial peptide for gram-negative bacteria detection. Biochemical Engineering Journal, 2017, 124, 108-114.	1.8	45
108	Bio-molecule functionalized rapid one-pot green synthesis of silver nanoparticles and their efficacy toward the multidrug resistant (MDR) gut bacteria of silkworms (<i>Bombyx mori</i>). RSC Advances, 2020, 10, 22742-22757.	1.7	45

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109	Antimicrobial Peptides and Cell-Penetrating Peptides for Treating Intracellular Bacterial Infections. Frontiers in Cellular and Infection Microbiology, 2020, 10, 612931.	1.8	45
110	Deciphering the Magainin Resistance Process of Escherichia coli Strains in Light of the Cytosolic Proteome. Antimicrobial Agents and Chemotherapy, 2012, 56, 1714-1724.	1.4	44
111	Functional characterization of a synthetic hydrophilic antifungal peptide derived from the marine snail Cenchritis muricatus. Biochimie, 2012, 94, 968-974.	1.3	44
112	Overlapping binding sites for trypsin and papain on a Kunitz-type proteinase inhibitor fromProsopis juliflora. Proteins: Structure, Function and Bioinformatics, 2002, 49, 335-341.	1.5	42
113	Isolation of a novel Carica papaya Î±-amylase inhibitor with deleterious activity toward Callosobruchus maculatus. Pesticide Biochemistry and Physiology, 2007, 87, 255-260.	1.6	41
114	Recombinant probiotics with antimicrobial peptides: a dual strategy to improve immune response in immunocompromised patients. Drug Discovery Today, 2014, 19, 1045-1050.	3.2	41
115	Activity of Scorpion Venom-Derived Antifungal Peptides against Planktonic Cells of Candida spp. and Cryptococcus neoformans and Candida albicans Biofilms. Frontiers in Microbiology, 2016, 7, 1844.	1.5	41
116	Marine Organisms as a Rich Source of Biologically Active Peptides. Frontiers in Marine Science, 2021, 8, .	1.2	40
117	Physiological and Proteomic Analyses of Saccharum spp. Grown under Salt Stress. PLoS ONE, 2014, 9, e98463.	1.1	39
118	Snake Venom Cathelicidins as Natural Antimicrobial Peptides. Frontiers in Pharmacology, 2019, 10, 1415.	1.6	39
119	Identification of E. dysenterica laxative peptide: A novel strategy in the treatment of chronic constipation and irritable bowel syndrome. Peptides, 2010, 31, 1426-1433.	1.2	38
120	Practical and theoretical characterization of Inga laurina Kunitz inhibitor on the control of Homalinotus coriaceus. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2011, 158, 164-172.	0.7	38
121	Clavanin A Improves Outcome of Complications from Different Bacterial Infections. Antimicrobial Agents and Chemotherapy, 2015, 59, 1620-1626.	1.4	38
122	Cm-p5: an antifungal hydrophilic peptide derived from the coastal mollusk <i>Cenchritis muricatus</i> (Gastropoda: Littorinidae). FASEB Journal, 2015, 29, 3315-3325.	0.2	38
123	Selective antibacterial activity of the cationic peptide PaDBS1R6 against Gram-negative bacteria. Biochimica Et Biophysica Acta - Biomembranes, 2019, 1861, 1375-1387.	1.4	38
124	Predicting antimicrobial peptides from eukaryotic genomes: In silico strategies to develop antibiotics. Peptides, 2012, 37, 301-308.	1.2	37
125	Effects of cyclotides against cutaneous infections caused by Staphylococcus aureus. Peptides, 2015, 63, 38-42.	1.2	37
126	Bacterial Proteinaceous Compounds With Multiple Activities Toward Cancers and Microbial Infection. Frontiers in Microbiology, 2019, 10, 1690.	1.5	37

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127	Short Cationic Peptide Derived from Archaea with Dual Antibacterial Properties and Anti-Infective Potential. ACS Infectious Diseases, 2019, 5, 1081-1086.	1.8	37
128	Exogenous pulmonary surfactant: A review focused on adjunctive therapy for severe acute respiratory syndrome coronavirus 2 including SP-A and SP-D as added clinical marker. Current Opinion in Colloid and Interface Science, 2021, 51, 101413.	3.4	37
129	Toxicity to cotton boll weevil Anthonomus grandis of a trypsin inhibitor from chickpea seeds. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2005, 140, 313-319.	0.7	36
130	Characterization of TwoAcanthoscelides obtectusÎ±-Amylases and Their Inactivation by Wheat Inhibitors. Journal of Agricultural and Food Chemistry, 2005, 53, 1585-1590.	2.4	35
131	Structural and functional evaluation of the palindromic alanine-rich antimicrobial peptide Pa -MAP2. Biochimica Et Biophysica Acta - Biomembranes, 2016, 1858, 1488-1498.	1.4	35
132	Evaluation of the antimicrobial activity of the mastoparan Polybia-MPII isolated from venom of the social wasp Pseudopolybia vespiceps testacea (Vespidae, Hymenoptera). International Journal of Antimicrobial Agents, 2017, 49, 167-175.	1.1	35
133	Structural and Functional Characterization of a Multifunctional Alanine-Rich Peptide Analogue from Pleuronectes americanus. PLoS ONE, 2012, 7, e47047.	1.1	35
134	Proteomics applied to exercise physiology: A cuttingâ€edge technology. Journal of Cellular Physiology, 2012, 227, 885-898.	2.0	34
135	The attack of the phytopathogens and the trumpet solo: Identification of a novel plant antifungal peptide with distinct fold and disulfide bond pattern. Biochimie, 2013, 95, 1939-1948.	1.3	34
136	Characterization and Pharmacological Properties of a Novel Multifunctional Kunitz Inhibitor from Erythrina velutina Seeds. PLoS ONE, 2013, 8, e63571.	1.1	34
137	Chemical immobilization of antimicrobial peptides on biomaterial surfaces. Frontiers in Bioscience - Scholar, 2016, 8, 129-142.	0.8	34
138	Linear antimicrobial peptides with activity against herpes simplex virus 1 and Aichi virus. Biopolymers, 2017, 108, e22871.	1.2	34
139	Antimicrobial peptides from<i>Bombyx mori</i>: a splendid immune defense response in silkworms. RSC Advances, 2020, 10, 512-523.	1.7	34
140	Mapping of the conserved antigenic domains shared between potato apyrase and parasite ATP diphosphohydrolases: potential application in human parasitic diseases. Parasitology, 2008, 135, 943-953.	0.7	33
141	Influence of Cysteine and Tryptophan Substitution on DNA-Binding Activity on Maize Î±-Hairpinin Antimicrobial Peptide. Molecules, 2016, 21, 1062.	1.7	33
142	Comparative transcriptomic analysis indicates genes associated with local and systemic resistance to Colletotrichum graminicola in maize. Scientific Reports, 2017, 7, 2483.	1.6	33
143	Functional and structural insights on self-assembled nanofiber-based novel antibacterial ointment from antimicrobial peptides, bacitracin and gramicidin S. Journal of Antibiotics, 2014, 67, 771-775.	1.0	32
144	Breaking the frontiers of cosmetology with antimicrobial peptides. Biotechnology Advances, 2018, 36, 2019-2031.	6.0	32

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145	Fast and potent bactericidal membrane lytic activity of PaDBS1R1, a novel cationic antimicrobial peptide. Biochimica Et Biophysica Acta - Biomembranes, 2019, 1861, 178-190.	1.4	32
146	Antimicrobial and Antibiofilm Activities of Helical Antimicrobial Peptide Sequences Incorporating Metal-Binding Motifs. Biochemistry, 2019, 58, 3802-3812.	1.2	32
147	Membrane-active macromolecules kill antibiotic-tolerant bacteria and potentiate antibiotics towards Gram-negative bacteria. PLoS ONE, 2017, 12, e0183263.	1.1	32
148	Rooteomics: The Challenge of Discovering Plant Defense-Related Proteins in Roots. Current Protein and Peptide Science, 2008, 9, 108-116.	0.7	31
149	Comparative proteome analysis of<i>Xanthomonas campestris</i>pv.<i>campestris</i>in the interaction with the susceptible and the resistant cultivars of<i>Brassica oleracea</i>. FEMS Microbiology Letters, 2009, 298, 260-266.	0.7	31
150	Computational analyses and prediction of guanylin deleterious SNPs. Peptides, 2015, 69, 92-102.	1.2	31
151	Impact of glycemic control on oral health status in type 2 diabetes individuals and its association with salivary and plasma levels of chromogranin A. Archives of Oral Biology, 2016, 62, 10-19.	0.8	31
152	Insights into novel antimicrobial compounds and antibiotic resistance genes from soil metagenomes. Frontiers in Microbiology, 2014, 5, 489.	1.5	30
153	Clavanin A-bioconjugated Fe 3 O 4 /Silane core-shell nanoparticles for thermal ablation of bacterial biofilms. Colloids and Surfaces B: Biointerfaces, 2018, 169, 72-81.	2.5	30
154	A Computationally Designed Peptide Derived from <i>Escherichia coli</i> as a Potential Drug Template for Antibacterial and Antibiofilm Therapies. ACS Infectious Diseases, 2018, 4, 1727-1736.	1.8	30
155	Antimicrobial peptide-based treatment for endodontic infections â€" Biotechnological innovation in endodontics. Biotechnology Advances, 2015, 33, 203-213.	6.0	29
156	Exploiting the biological roles of the trypsin inhibitor from Inga vera seeds: A multifunctional Kunitz inhibitor. Process Biochemistry, 2016, 51, 792-803.	1.8	29
157	Purification and identification of a surfactin biosurfactant and engine oil degradation by Bacillus velezensis KLP2016. Microbial Cell Factories, 2021, 20, 26.	1.9	29
158	Fold recognition analysis of glycosyltransferase families: further members of structural superfamilies. Glycobiology, 2003, 13, 707-712.	1.3	28
159	Molecular Cloning and Expression of an Î±-Amylase Inhibitor from Rye with Potential for Controlling Insect Pests. Protein Journal, 2005, 24, 113-123.	0.7	28
160	Inhibitory effects of a Kunitz-type inhibitor from Pithecellobium dumosum (Benth) seeds against insect-pests' digestive proteinases. Plant Physiology and Biochemistry, 2013, 63, 70-76.	2.8	28
161	Comparative Protein Composition Analysis of Goat Milk Produced by the Alpine and Saanen Breeds in Northeastern Brazil and Related Antibacterial Activities. PLoS ONE, 2014, 9, e93361.	1.1	28
162	Prediction of the impact of coding missense and nonsense single nucleotide polymorphisms on HD5 and HBD1 antibacterial activity against <i>Escherichia coli</i>. Biopolymers, 2016, 106, 633-644.	1.2	28

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163	Screening of entomopathogenic Metarhizium anisopliae isolates and proteomic analysis of secretion synthesized in response to cowpea weevil (Callosobruchus maculatus) exoskeleton. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2006, 142, 365-370.	1.3	27
164	Proteomic Analysis of Developing Somatic Embryos of Coffea arabica. Plant Molecular Biology Reporter, 2012, 30, 1393-1399.	1.0	27
165	Identification of proteins in susceptible and resistant Brassica oleracea responsive to Xanthomonas campestris pv. campestris infection. Journal of Proteomics, 2016, 143, 278-285.	1.2	27
166	Type 2 Diabetes Elicits Lower Nitric Oxide, Bradykinin Concentration and Kallikrein Activity Together with Higher DesArg9-BK and Reduced Post-Exercise Hypotension Compared to Non-Diabetic Condition. PLoS ONE, 2013, 8, e80348.	1.1	27
167	The rescue of botanical insecticides: A bioinspiration for new niches and needs. Pesticide Biochemistry and Physiology, 2017, 143, 14-25.	1.6	26
168	Identification of a novel bean Î±-amylase inhibitor with chitinolytic activity. FEBS Letters, 2005, 579, 5616-5620.	1.3	25
169	Structure and enzyme properties ofZabrotes subfasciatus Î±-amylase. Archives of Insect Biochemistry and Physiology, 2006, 61, 77-86.	0.6	25
170	A Novel Antimicrobial Peptide from CrotalariaÂpallida Seeds with Activity Against Human and Phytopathogens. Current Microbiology, 2009, 59, 400-404.	1.0	25
171	Characterization of a Bioactive Acyclotide from <i>Palicourea rigida</i>. Journal of Natural Products, 2016, 79, 2767-2773.	1.5	25
172	Nanofibers as drug-delivery systems for infection control in dentistry. Expert Opinion on Drug Delivery, 2020, 17, 919-930.	2.4	25
173	Advances on chemically modified antimicrobial peptides for generating peptide antibiotics. Chemical Communications, 2021, 57, 11578-11590.	2.2	25
174	Proteomic analysis of Metarhizium anisopliae secretion in the presence of the insect pest Callosobruchus maculatus. Microbiology (United Kingdom), 2008, 154, 3766-3774.	0.7	24
175	Identification of four novel members of Kunitz-like Î±-amylase inhibitors family from Delonix regia with activity toward Coleopteran insects. Pesticide Biochemistry and Physiology, 2009, 95, 166-172.	1.6	24
176	The intrinsic antimicrobial activity of citric acid-coated manganese ferrite nanoparticles is enhanced after conjugation with the antifungal peptide Cm-p5. International Journal of Nanomedicine, 2016, Volume 11, 3849-3857.	3.3	24
177	Venom gland transcriptome analyses of two freshwater stingrays (Myliobatiformes:) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 182	1.6	24
178	Understanding, preventing and eradicating <i>Klebsiella pneumoniae</i> biofilms. Future Microbiology, 2016, 11, 527-538.	1.0	24
179	Structural Studies of a Lipid-Binding Peptide from Tunicate Hemocytes with Anti-Biofilm Activity. Scientific Reports, 2016, 6, 27128.	1.6	24
180	Novel boronic acid derivatives of bis(indolyl) methane as anti-MRSA agents. Bioorganic and Medicinal Chemistry Letters, 2017, 27, 2135-2138.	1.0	24

#	Article	IF	Citations
181	In silico analyses of deleterious missense SNPs of human apolipoprotein E3. Scientific Reports, 2017, 7, 2509.	1.6	24
182	Pharmaceutical applications of cyclotides. Drug Discovery Today, 2019, 24, 2152-2161.	3.2	24
183	Biomedical Exploitation of Self Assembled Peptide Based Nanostructures. Current Protein and Peptide Science, 2013, 14, 580-587.	0.7	24
184	INFLUENCE OF HEAT TREATMENT AND GRAIN GERMINATION ON THE ISOFLAVONE PROFILE OF SOY MILK. Journal of Food Biochemistry, 2006, 30, 234-247.	1.2	23
185	Identification of a Passiflora alata Curtis dimeric peptide showing identity with 2S albumins. Peptides, 2011, 32, 868-874.	1.2	23
186	Dengue virus tetra-epitope peptide expressed in lettuce chloroplasts for potential use in dengue diagnosis. Applied Microbiology and Biotechnology, 2013, 97, 5721-5729.	1.7	23
187	Optical and dielectric sensors based on antimicrobial peptides for microorganism diagnosis. Frontiers in Microbiology, 2014, 5, 443.	1.5	23
188	Antifungal nanofibers made by controlled release of sea animal derived peptide. Nanoscale, 2015, 7, 6238-6246.	2.8	23
189	LL-37 boosts immunosuppressive function of placenta-derived mesenchymal stromal cells. Stem Cell Research and Therapy, 2016, 7, 189.	2.4	23
190	A structural perspective of plant antimicrobial peptides. Biochemical Journal, 2018, 475, 3359-3375.	1.7	23
191	Antibiofilm Peptides: Relevant Preclinical Animal Infection Models and Translational Potential. ACS Pharmacology and Translational Science, 2021, 4, 55-73.	2.5	23
192	Use of phage display to select novel cystatins specific for Acanthoscelides obtectus cysteine proteinases. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2003, 1651, 146-152.	1.1	22
193	Screening and secretomic analysis of enthomopatogenic Beauveria bassiana isolates in response to cowpea weevil (Callosobruchus maculatus) exoskeleton. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2007, 145, 333-338.	1.3	22
194	Susceptibility of Human Pathogenic Bacteria to Antimicrobial Peptides from Sesame Kernels. Current Microbiology, 2007, 55, 162-166.	1.0	22
195	Plant nuclear proteomics â€“ inside the cell maestro. FEBS Journal, 2010, 277, 3295-3307.	2.2	22
196	Bactericidal Activity Identified in 2S Albumin from Sesame Seeds and In silico Studies of Structureâ€“Function Relations. Protein Journal, 2011, 30, 340-350.	0.7	22
197	Evaluation of Magainin I interactions with lipid membranes: An optical and electrochemical study. Chemistry and Physics of Lipids, 2012, 165, 537-544.	1.5	22
198	Immune Response Profile against Persistent Endodontic Pathogens Candida albicans and Enterococcus faecalis InÂVitro. Journal of Endodontics, 2015, 41, 1061-1065.	1.4	22

#	Article	IF	Citations
199	Production of a polar fish antimicrobial peptide in Escherichia coli using an ELP-intein tag. Journal of Biotechnology, 2016, 234, 83-89.	1.9	22
200	An Immunomodulatory Peptide Confers Protection in an Experimental Candidemia Murine Model. Antimicrobial Agents and Chemotherapy, 2017, 61, .	1.4	22
201	LL-37 treatment on human peripheral blood mononuclear cells modulates immune response and promotes regulatory T-cells generation. Biomedicine and Pharmacotherapy, 2018, 108, 1584-1590.	2.5	22
202	The Structure/Function Relationship in Antimicrobial Peptides: What Can we Obtain From Structural Data?. Advances in Protein Chemistry and Structural Biology, 2018, 112, 359-384.	1.0	22
203	Structural and Functional Analyses of Cone Snail Toxins. Marine Drugs, 2019, 17, 370.	2.2	22
204	Strategies for recombinant production of antimicrobial peptides with pharmacological potential. Expert Review of Clinical Pharmacology, 2020, 13, 367-390.	1.3	22
205	Omics and the molecular exercise physiology. Advances in Clinical Chemistry, 2020, 96, 55-84.	1.8	22
206	Determination of the Maximal Lactate Steady State in Obese Zucker Rats. International Journal of Sports Medicine, 2013, 34, 214-217.	0.8	21
207	Viperatoxinâ€II: A novel viper venom protein as an effective bactericidal agent. FEBS Open Bio, 2015, 5, 928-941.	1.0	21
208	Production of a modified peptide clavanin in Pichia pastoris: cloning, expression, purification and in vitro activities. AMB Express, 2015, 5, 129.	1.4	21
209	Effects of proteinase inhibitor from Adenanthera pavonina seeds on short- and long term larval development of Aedes aegypti. Biochimie, 2015, 112, 172-186.	1.3	21
210	Host-defense peptides and their potential use as biomarkers in human diseases. Drug Discovery Today, 2018, 23, 1666-1671.	3.2	21
211	Limited Effects of Low-to-Moderate Aerobic Exercise on the Gut Microbiota of Mice Subjected to a High-Fat Diet. Nutrients, 2019, 11, 149.	1.7	21
212	Synthetic antimicrobial peptides control Penicillium digitatum infection in orange fruits. Food Research International, 2021, 147, 110582.	2.9	21
213	An SVM Model Based on Physicochemical Properties to Predict Antimicrobial Activity from Protein Sequences with Cysteine Knot Motifs. Lecture Notes in Computer Science, 2010, , 59-62.	1.0	21
214	Protective effects of a cysteine proteinase propeptide expressed in transgenic soybean roots. Peptides, 2009, 30, 825-831.	1.2	20
215	Investigation of insecticidal activity of rye Î±-amylase inhibitor gene expressed in transgenic tobacco (Nicotiana tabacum) toward cotton boll weevil (Anthonomus grandis). Pesticide Biochemistry and Physiology, 2010, 98, 39-44.	1.6	20
216	In vivo antimicrobial evaluation of an alanine-rich peptide derived from Pleuronectes americanus. Peptides, 2013, 42, 144-148.	1.2	20

#	Article	IF	Citations
217	Differential accumulation of <i>Xanthomonas campestris</i> pv. <i>campestris</i> proteins during the interaction with the host plant: Contributions of an in vivo system. Proteomics, 2017, 17, 1700086.	1.3	20
218	Synthesis and cytotoxic characteristics displayed by a series of Ag(<scp>i</scp>)-, Au(<scp>i</scp>)- and Au(<scp>iii</scp>)-complexes supported by a common N-heterocyclic carbene. New Journal of Chemistry, 2018, 42, 13948-13956.	1.4	20
219	Nanofibers as drug-delivery systems for antimicrobial peptides. Drug Discovery Today, 2021, 26, 2064-2074.	3.2	20
220	Novel insights in the use of hydrolytic enzymes secreted by fungi with biotechnological potential. Letters in Applied Microbiology, 2007, 44, 573-581.	1.0	19
221	Understanding the patterns of antibiotic susceptibility of bacteria causing urinary tract infection in West Bengal, India. Frontiers in Microbiology, 2014, 5, 463.	1.5	19
222	Acute eccentric resistance exercise decreases matrix metalloproteinase activity in obese elderly women. Clinical Physiology and Functional Imaging, 2016, 36, 139-145.	0.5	19
223	Oxidative stability of sesame and flaxseed oils and their effects on morphometric and biochemical parameters in an animal model. Journal of the Science of Food and Agriculture, 2017, 97, 3359-3364.	1.7	19
224	Insulin-like plant proteins as potential innovative drugs to treat diabetesâ€"The Moringa oleifera case study. New Biotechnology, 2017, 39, 99-109.	2.4	19
225	The Complex Puzzle of Interactions Among Functional Food, Gut Microbiota, and Colorectal Cancer. Frontiers in Oncology, 2018, 8, 325.	1.3	19
226	Computer-Aided Design of Mastoparan-like Peptides Enables the Generation of Nontoxic Variants with Extended Antibacterial Properties. Journal of Medicinal Chemistry, 2019, 62, 8140-8151.	2.9	19
227	Utilization of antimicrobial peptides, analogues and mimics in creating antimicrobial surfaces and bio-materials. Biochemical Engineering Journal, 2019, 150, 107237.	1.8	19
228	Antimicrobial peptides used as growth promoters in livestock production. Applied Microbiology and Biotechnology, 2021, 105, 7115-7121.	1.7	19
229	Molecular Identification of Four Different Î±-amylase Inhibitors from Baru (Dipteryx alata) Seeds with Activity Toward Insect Enzymes. BMB Reports, 2007, 40, 494-500.	1.1	19
230	A diverse family of serine proteinase genes expressed in cotton boll weevil (Anthonomus grandis): implications for the design of pest-resistant transgenic cotton plants. Insect Biochemistry and Molecular Biology, 2004, 34, 903-918.	1.2	18
231	In VivoEffects of Cagaita (Eugenia dysenterica, DC.) Leaf Extracts on Diarrhea Treatment. Evidence-based Complementary and Alternative Medicine, 2011, 2011, 1-10.	0.5	18
232	Cyclotides. Journal of Evidence-Based Complementary & Alternative Medicine, 2012, 17, 40-53.	1.5	18
233	Clavanin bacterial sepsis control using a novel methacrylate nanocarrier. International Journal of Nanomedicine, 2014, 9, 5055.	3.3	18
234	Tolerance response of multidrug-resistant Salmonella enterica strains to habituation to Origanum vulgare L. essential oil. Frontiers in Microbiology, 2014, 5, 721.	1.5	18

#	Article	IF	Citations
235	Promising strategies for future treatment of<i>Klebsiella pneumoniae</i>biofilms. Future Microbiology, 2020, 15, 63-79.	1.0	18
236	Identification of a Novel Antimicrobial Peptide from Brazilian Coast Coral Phyllogorgia dilatata. Protein and Peptide Letters, 2013, 20, 1153-1158.	0.4	18
237	Î²-Helical catalytic domains in glycoside hydrolase families 49, 55 and 87: domain architecture, modelling and assignment of catalytic residues. FEBS Letters, 2002, 530, 225-232.	1.3	17
238	A Kunitz Proteinase Inhibitor from Corms of <i>Xanthosoma blandum</i> with Bactericidal Activity. Journal of Natural Products, 2011, 74, 969-975.	1.5	17
239	Identification of Botryticidal Proteins with Similarity to NBSâ€“LRR Proteins in Rosemary Pepper (Lippia) Tj ETQq1 1 0.784314 rgBT /Ove	0.7	17
240	Comparative proteomics between natural Microcystis isolates with a focus on microcystin synthesis. Proteome Science, 2012, 10, 38.	0.7	17
241	A Novel Vasoactive Proline-Rich Oligopeptide from the Skin Secretion of the Frog Brachycephalus ephippium. PLoS ONE, 2015, 10, e0145071.	1.1	17
242	Exercise performed around MLSS decreases systolic blood pressure and increases aerobic fitness in hypertensive rats. BMC Physiology, 2015, 15, 1.	3.6	17
243	Salivary function impairment in type 2 Diabetes patients associated with concentration and genetic polymorphisms of chromogranin A. Clinical Oral Investigations, 2016, 20, 2083-2095.	1.4	17
244	Cutting-Edge Search for Safer Opioid Pain Relief: Retrospective Review of Salvinorin A and Its Analogs. Frontiers in Psychiatry, 2019, 10, 157.	1.3	17
245	A Cerberusâ€Inspired Antiâ€Infective Multicomponent Gatekeeper Hydrogel against Infections with the Emerging â€œSuperbugâ€• Yeast <i>Candida auris</i>. Macromolecular Bioscience, 2020, 20, e2000005.	2.1	17
246	Nanoformulated Antibiotics: the Next Step for Pathogenic Bacteria Control. Current Medicinal Chemistry, 2013, 20, 1232-1240.	1.2	16
247	Novel Inhibitor Cystine Knot Peptides from Momordica charantia. PLoS ONE, 2013, 8, e75334.	1.1	16
248	Shedding Some Light over the Floral Metabolism by Arum Lily (Zantedeschia aethiopica) Spathe De Novo Transcriptome Assembly. PLoS ONE, 2014, 9, e90487.	1.1	16
249	Structural insights into <i>Cn</i>â€AMP1, a short disulfideâ€free multifunctional peptide from green coconut water. FEBS Letters, 2015, 589, 639-644.	1.3	16
250	Controlling resistant bacteria with a novel class of Î²-lactamase inhibitor peptides: from rational design to in vivo analyses. Scientific Reports, 2014, 4, 6015.	1.6	16
251	NanoUPLC/MSE proteomic analysis reveals modulation on left ventricle proteome from hypertensive rats after exercise training. Journal of Proteomics, 2015, 113, 351-365.	1.2	16
252	Highâ€performance computational analysis and peptide screening from databases of cyclotides from poaceae. Biopolymers, 2016, 106, 109-118.	1.2	16

#	Article	IF	Citations
253	Antimicrobial and immunomodulatory activity of host defense peptides, clavanins and LL-37, in vitro : An endodontic perspective. Peptides, 2017, 95, 16-24.	1.2	16
254	Lentic water quality characterization using macroinvertebrates as bioindicators: An adapted BMWP index. Ecological Indicators, 2017, 72, 53-66.	2.6	16
255	Relationship between intestinal microbiota, diet and biological systems: an integrated view. Critical Reviews in Food Science and Nutrition, 2022, 62, 1166-1186.	5.4	16
256	Assessment of maximal lactate steady state during treadmill exercise in SHR. BMC Research Notes, 2012, 5, 661.	0.6	15
257	Effects of Hypertension and Exercise on Cardiac Proteome Remodelling. BioMed Research International, 2014, 2014, 1-14.	0.9	15
258	Screening of serine protease inhibitors with antimicrobial activity using iron oxide nanoparticles functionalized with dextran conjugated trypsin and in silico analyses of bacterial serine protease inhibition. Analyst, The, 2014, 139, 464-472.	1.7	15
259	Tolerance evaluation in <i><scp>S</scp>almonella enterica</i> serovar <scp>T</scp>yphimurium challenged with sublethal amounts of <i><scp>R</scp>osmarinus officinalis </i><scp>L</scp>. essential oil or 1,8â€cineole in meat model. International Journal of Food Science and Technology, 2014, 49, 1912-1917.	1.3	15
260	In silico identification, structural characterization, and phylogenetic analysis of MdesDEF-2: a novel defensin from the Hessian fly, Mayetiola destructor. Journal of Molecular Modeling, 2014, 20, 2339.	0.8	15
261	A simple nanostructured impedimetric biosensor based on clavanin a peptide for bacterial detection. Sensors and Actuators B: Chemical, 2018, 255, 3267-3274.	4.0	15
262	Wasp venom peptide, synoecaâ€MP, from <i>Synoeca surinama</i> shows antimicrobial activity against human and animal pathogenic microorganisms. Peptide Science, 2020, 112, e24141.	1.0	15
263	LPS inmobilization on porous and non-porous supports as an approach for the isolation of anti-LPS host-defense peptides. Frontiers in Microbiology, 2013, 4, 389.	1.5	14
264	<i>In Vivo</i> Efficacy of Anuran Trypsin Inhibitory Peptides against Staphylococcal Skin Infection and the Impact of Peptide Cyclization. Antimicrobial Agents and Chemotherapy, 2015, 59, 2113-2121.	1.4	14
265	Comparative NanoUPLC-MSE analysis between magainin I-susceptible and -resistant Escherichia coli strains. Scientific Reports, 2017, 7, 4197.	1.6	14
266	Peptides containing d -amino acids and retro-inverso peptides. , 2018, , 131-155.		14
267	Calcaneal Tendon Plasticity Following Gastrocnemius Muscle Injury in Rat. Frontiers in Physiology, 2019, 10, 1098.	1.3	14
268	Bacterial cross-resistance to anti-infective compounds. Is it a real problem?. Current Opinion in Pharmacology, 2019, 48, 76-81.	1.7	14
269	The Coconut Water Antimicrobial Peptide CnAMP1 Is Taken up into Intestinal Cells but Does Not Alter P-Glycoprotein Expression and Activity. Plant Foods for Human Nutrition, 2020, 75, 396-403.	1.4	14
270	Physicochemical-guided design of cathelicidin-derived peptides generates membrane active variants with therapeutic potential. Scientific Reports, 2020, 10, 9127.	1.6	14

#	Article	IF	Citations
271	Proteomic changes in skeletal muscle of aged rats in response to resistance training. Cell Biochemistry and Function, 2020, 38, 500-509.	1.4	14
272	Editorial: Antimicrobial Peptides: Molecular Design, Structure-Function Relationship, and Biosynthesis Optimization. Frontiers in Microbiology, 2022, 13, 888540.	1.5	14
273	Proteomic evaluation of coffee zygotic embryos in two different stages of seed development. Plant Physiology and Biochemistry, 2009, 47, 1046-1050.	2.8	13
274	Screening of Antimicrobials from Caribbean Sea Animals and Isolation of Bactericidal Proteins from the Littoral Mollusk Cenchritis muricatus. Current Microbiology, 2012, 64, 501-505.	1.0	13
275	Effects of acute exercise over heart proteome from monogenic obese (ob/ob) mice. Journal of Cellular Physiology, 2013, 228, 824-834.	2.0	13
276	Exercise Training at MLSS Decreases Weight Gain and Increases Aerobic Capacity in Obese Zucker Rats. International Journal of Sports Medicine, 2014, 35, 199-202.	0.8	13
277	Insights Into RNA Transcriptome Profiling of Cardiac Tissue in Obesity and Hypertension Conditions. Journal of Cellular Physiology, 2015, 230, 959-968.	2.0	13
278	A self-assembled clavanin A-coated amniotic membrane scaffold for the prevention of biofilm formation by ocular surface fungal pathogens. Biofouling, 2017, 33, 881-891.	0.8	13
279	Proteomic Analysis and Functional Validation of a Brassica oleracea Endochitinase Involved in Resistance to Xanthomonas campestris. Frontiers in Plant Science, 2019, 10, 414.	1.7	13
280	Neuropeptide receptors as potential pharmacological targets for obesity. , 2019, 196, 59-78.		13
281	Enhancing of Women Functional Status with Metabolic Syndrome by Cardioprotective and Anti-Inflammatory Effects of Combined Aerobic and Resistance Training. PLoS ONE, 2014, 9, e110160.	1.1	13
282	Antibiofilm and immunomodulatory resorbable nanofibrous filing for dental pulp regenerative procedures. Bioactive Materials, 2022, 16, 173-186.	8.6	13
283	METHODOLOGICAL EVALUATION OF 2-DE TO STUDY ROOT PROTEOMICS DURING NEMATODE INFECTION IN COTTON AND COFFEE PLANTS. Preparative Biochemistry and Biotechnology, 2010, 40, 152-163.	1.0	12
284	High molecular mass proteomics analyses of left ventricle from rats subjected to differential swimming training. BMC Physiology, 2012, 12, 11.	3.6	12
285	Snake Venom Proteins: Development into Antimicrobial and Wound Healing Agents. Mini-Reviews in Organic Chemistry, 2014, 11, 4-14.	0.6	12
286	Application of Cutting-Edge Proteomics Technologies for Elucidating Hostâ€“Bacteria Interactions. Advances in Protein Chemistry and Structural Biology, 2014, 95, 1-24.	1.0	12
287	Antimicrobial and proinflammatory effects of two vipericidins. Cytokine, 2018, 111, 309-316.	1.4	12
288	Echinocandins as Biotechnological Tools for Treating Candida auris Infections. Journal of Fungi (Basel, Switzerland), 2020, 6, 185.	1.5	12

#	Article	IF	Citations
289	Biotechnological applications of versatile plant lipid transfer proteins (LTPs). Peptides, 2021, 140, 170531.	1.2	12
290	EcDBS1R6: A novel cationic antimicrobial peptide derived from a signal peptide sequence. Biochimica Et Biophysica Acta - General Subjects, 2020, 1864, 129633.	1.1	12
291	Heterologous Production of Peptides in Plants: Fusion Proteins and Beyond. Current Protein and Peptide Science, 2013, 14, 568-579.	0.7	12
292	Dissecting the relationship between antimicrobial peptides and mesenchymal stem cells. , 2022, 233, 108021.		12
293	Electrochemical detection of gram-negative bacteria through mastoparan-capped magnetic nanoparticle. Enzyme and Microbial Technology, 2022, 160, 110088.	1.6	12
294	Molecular modeling and inhibitory activity of cowpea cystatin against bean bruchid pests. Proteins: Structure, Function and Bioinformatics, 2006, 63, 662-670.	1.5	11
295	Identification of a novel Î²-N-acetylhexosaminidase (Pcb-NAHA1) from marine Zoanthid Palythoa caribaeorum (Cnidaria, Anthozoa, Zoanthidea). Protein Expression and Purification, 2008, 58, 61-69.	0.6	11
296	The divergent eukaryote Trichomonas vaginalis has an m 7 G cap methyltransferase capable of a single N2 methylation. Nucleic Acids Research, 2008, 36, 6848-6858.	6.5	11
297	Dentistry proteomics: From laboratory development to clinical practice. Journal of Cellular Physiology, 2013, 228, 2271-2284.	2.0	11
298	Investigating specific bacterial resistance to AMPs by using a magainin I-resistant Escherichia coli model. Journal of Antibiotics, 2014, 67, 681-687.	1.0	11
299	Modifying natural antimicrobial peptides to generate bioinspired antibiotics and devices. Future Medicinal Chemistry, 2015, 7, 413-415.	1.1	11
300	Structural impact analysis of missense SNPs present in the uroguanylin gene by long-term molecular dynamics simulations. Journal of Theoretical Biology, 2016, 410, 9-17.	0.8	11
301	The effects of glucose concentrations associated with lipopolysaccharide and interferon-gamma stimulus on mediatorsâ€™ production of RAW 264.7 cells. Cytokine, 2018, 107, 18-25.	1.4	11
302	IDRâ€1018 induces cell proliferation, migration, and reparative gene expression in 2D culture and 3D human skin equivalents. Journal of Tissue Engineering and Regenerative Medicine, 2019, 13, 2018-2030.	1.3	11
303	Enterotoxigenicity and Antibiotic Resistance of Coagulase-Negative Staphylococci Isolated from Raw Buffalo and Cow Milk. Microbial Drug Resistance, 2020, 26, 520-530.	0.9	11
304	EcDBS1R4, an Antimicrobial Peptide Effective against Escherichia coli with In Vitro Fusogenic Ability. International Journal of Molecular Sciences, 2020, 21, 9104.	1.8	11
305	Host defense peptide IDR-1002 associated with ciprofloxacin as a new antimicrobial and immunomodulatory strategy for dental pulp revascularization therapy. Microbial Pathogenesis, 2021, 152, 104634.	1.3	11
306	Nile tilapia (Oreochromis niloticus) as an aquatic vector for Pseudomonas species of medical importance: Antibiotic Resistance Association with Biofilm Formation, Quorum Sensing and Virulence. Aquaculture, 2021, 532, 736068.	1.7	11

#	Article	IF	Citations
307	Fosfomycin and nitrofurantoin: classic antibiotics and perspectives. Journal of Antibiotics, 2021, 74, 547-558.	1.0	11
308	Mechanistic Aspects of Peptide-Membrane Interactions Determined by Optical, Dielectric and Piezoelectric Techniques: An Overview. Current Protein and Peptide Science, 2013, 14, 543-555.	0.7	11
309	Sense the moment: A highly sensitive antimicrobial activity predictor based on hydrophobic moment. Biochimica Et Biophysica Acta - General Subjects, 2022, 1866, 130070.	1.1	11
310	Silkworm pupae as a future food with nutritional and medicinal benefits. Current Opinion in Food Science, 2022, 44, 100818.	4.1	11
311	Screening and Purification of a Novel Trypsin Inhibitor from Prosopis juliflora Seeds with Activity Toward Pest Digestive Enzymes. Protein and Peptide Letters, 2005, 12, 561-565.	0.4	10
312	Cloning and structural analysis of an Indian little millet (Panicum sumatrense) zein-like storage protein: Implications for molecular assembly. Biochemistry (Moscow), 2006, 71, 1183-1191.	0.7	10
313	Proregion of Acanthoscelides obtectus cysteine proteinase: A novel peptide with enhanced selectivity toward endogenous enzymes. Peptides, 2007, 28, 1292-1298.	1.2	10
314	Molecular and structural characterization of a trypsin highly expressed in larval stage of <i>Zabrotes subfasciatus</i>. Archives of Insect Biochemistry and Physiology, 2007, 66, 169-182.	0.6	10
315	Elucidation of mechanisms of interaction of a multifunctional peptide Pa-MAP with lipid membranes. Biochimica Et Biophysica Acta - Biomembranes, 2014, 1838, 2899-2909.	1.4	10
316	Theoretical structural characterization of lymphoguanylin: A potential candidate for the development of drugs to treat gastrointestinal disorders. Journal of Theoretical Biology, 2017, 419, 193-200.	0.8	10
317	Beneficial effects of resistance training on the protein profile of the calcaneal tendon during aging. Experimental Gerontology, 2017, 100, 54-62.	1.2	10
318	Inhibitory effects of an extract from non-host plants on physiological characteristics of two major cabbage pests. Bulletin of Entomological Research, 2018, 108, 370-379.	0.5	10
319	An acidic model pro-peptide affects the secondary structure, membrane interactions and antimicrobial activity of a crotalicidin fragment. Scientific Reports, 2018, 8, 11127.	1.6	10
320	Molecular farming of antimicrobial peptides: available platforms and strategies for improving protein biosynthesis using modified virus vectors. Anais Da Academia Brasileira De Ciencias, 2019, 91, e20180124.	0.3	10
321	Adepamycin: design, synthesis and biological properties of a new peptide with antimicrobial properties. Archives of Biochemistry and Biophysics, 2020, 691, 108487.	1.4	10
322	Antimicrobial peptide selection from Lippia spp leaf transcriptomes. Peptides, 2020, 129, 170317.	1.2	10
323	Effects of endurance racing on horse plasma extracellular particle miRNA. Equine Veterinary Journal, 2021, 53, 618-627.	0.9	10
324	IMPEDIMETRIC CLAVMO PEPTIDE-BASED SENSOR DIFFERENTIATES PLOIDY OF CANDIDA SPECIES. Biochemical Engineering Journal, 2021, 167, 107918.	1.8	10

#	Article	IF	Citations
325	CRISPR Genome Editing Technology: A Powerful Tool Applied to Developing Agribusiness. Journal of Agricultural and Food Chemistry, 2021, 69, 6379-6395.	2.4	10
326	Differential interactions of the antimicrobial peptide, RQ18, with phospholipids and cholesterol modulate its selectivity for microorganism membranes. Biochimica Et Biophysica Acta - General Subjects, 2021, 1865, 129937.	1.1	10
327	Peptides as a therapeutic strategy against Klebsiella pneumoniae. Trends in Pharmacological Sciences, 2022, 43, 335-348.	4.0	10
328	Comparative proteomical and metalloproteomical analyses of human plasma from patients with laryngeal cancer. Cancer Immunology, Immunotherapy, 2010, 59, 173-181.	2.0	9
329	Sequence variations of Env signal peptide alleles in different clinical stages of HIV infection. Peptides, 2011, 32, 1800-1806.	1.2	9
330	Impact and influence of â€œomicsâ€•technology on hyper tension studies. International Journal of Cardiology, 2017, 228, 1022-1034.	0.8	9
331	Adevonin, a novel synthetic antimicrobial peptide designed from the <i>Adenanthera pavonina</i> trypsin inhibitor (ApTI) sequence. Pathogens and Global Health, 2018, 112, 438-447.	1.0	9
332	Paternal Resistance Training Induced Modifications in the Left Ventricle Proteome Independent of Offspring Diet. Oxidative Medicine and Cellular Longevity, 2020, 2020, 1-19.	1.9	9
333	Advanced Therapies and Regulatory Framework in Different Areas of the Globe: Past, Present, and Future. Clinical Therapeutics, 2021, 43, e103-e138.	1.1	9
334	Antisense peptide nucleic acid inhibits the growth of KPC-producing Klebsiella pneumoniae strain. Research in Microbiology, 2021, 172, 103837.	1.0	9
335	The Effects of Resistance Training Volume on Skeletal Muscle Proteome. International Journal of Exercise Science, 2017, 10, 1051-1066.	0.5	9
336	Molecular Cloning of a Cysteine Proteinase cDNA from the Cotton Boll WeevilAnthonomus grandis(Coleoptera: Curculionidae). Bioscience, Biotechnology and Biochemistry, 2004, 68, 1235-1242.	0.6	8
337	Identification of an Î±-Amylase Inhibitor from Pterodon pubescens with Ability To Inhibit Cowpea Weevil Digestive Enzymes. Journal of Agricultural and Food Chemistry, 2007, 55, 4382-4387.	2.4	8
338	Comparative Proteomical Analysis of Zygotic Embryo and Endosperm from Coffea arabica Seeds. Journal of Agricultural and Food Chemistry, 2008, 56, 10922-10926.	2.4	8
339	Comparative Analyses of Different Surfactants on Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry Peptide Analysis. European Journal of Mass Spectrometry, 2010, 16, 567-575.	0.5	8
340	Plant Cyclotides: An Unusual Protein Family with Multiple Functions. , 2012, , 333-344.		8
341	Native and recombinant Pg-AMP1 show different antibacterial activity spectrum but similar folding behavior. Peptides, 2014, 55, 92-97.	1.2	8
342	Next-generation nanoantibacterial tools developed from peptides. Nanomedicine, 2015, 10, 1643-1661.	1.7	8

#	Article	IF	Citations
343	<scp>HD</scp>5 and <scp>HBD</scp>1 variantsâ€™ solvation potential energy correlates with their antibacterial activity against <i>Escherichia coli</i>. Biopolymers, 2016, 106, 43-50.	1.2	8
344	NanoUPLC-MSE proteomic analysis of osteoclastogenesis downregulation by IL-4. Journal of Proteomics, 2016, 131, 8-16.	1.2	8
345	Antibiotic combinations for controlling colistin-resistant Enterobacter cloacae. Journal of Antibiotics, 2017, 70, 122-129.	1.0	8
346	Computational Investigation of Growth Hormone Receptor Trp169Arg Heterozygous Mutation in a Child With Short Stature. Journal of Cellular Biochemistry, 2017, 118, 4762-4771.	1.2	8
347	Deciphering the structural basis for glucocorticoid resistance caused by missense mutations in the ligand binding domain of glucocorticoid receptor. Journal of Molecular Graphics and Modelling, 2019, 92, 216-226.	1.3	8
348	Differential protein profiles in interspecific hybrids between Elaeis oleifera and E. guineensis with contrasting responses to somatic embryogenesis competence acquisition. Plant Cell, Tissue and Organ Culture, 2019, 137, 11-21.	1.2	8
349	Paternal Resistance Training Modulates Calcaneal Tendon Proteome in the Offspring Exposed to High-Fat Diet. Frontiers in Cell and Developmental Biology, 2020, 8, 380.	1.8	8
350	Gene Microarray Analyses of Daboia russelli russelli Daboiatoxin Treatment of THP-1 Human Macrophages Infected with Burkholderia pseudomallei.. Current Molecular Medicine, 2015, 15, 961-974.	0.6	8
351	Elastin-like Polypeptides in Development of Nanomaterials for Application in the Medical Field. Frontiers in Nanotechnology, 2022, 4, .	2.4	8
352	Antimicrobial Peptides Controlling Resistant Bacteria in Animal Production. Frontiers in Microbiology, 2022, 13, .	1.5	8
353	The Use of MALDI-TOF-MS and <i>In Silico</i> Studies for Determination of Antimicrobial Peptidesâ€™ Affinity to Bacterial Cells. Journal of the American Society for Mass Spectrometry, 2012, 23, 1939-1948.	1.2	7
354	Structural insights regarding an insecticidal Talisia esculenta protein and its biotechnological potential for Diatraea saccharalis larval control. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2012, 161, 86-92.	0.7	7
355	Identification of a Napin-Like Peptide from Eugenia malaccensis L. Seeds with Inhibitory Activity Toward Staphylococcus aureus and Salmonella Enteritidis. Protein Journal, 2014, 33, 549-556.	0.7	7
356	Anti-leukemia activity of semi-synthetic phenolic derivatives from Polygonum limbatum Meisn.. Chemistry Central Journal, 2015, 9, 40.	2.6	7
357	A short peptide with selective anti-biofilm activity against Pseudomonas aeruginosa and Klebsiella pneumoniae carbapenemase-producing bacteria. Microbial Pathogenesis, 2019, 135, 103605.	1.3	7
358	Structureâ€guided identification of antimicrobial peptides in the spathe transcriptome of the nonâ€model plant, arum lily (<i>Zantedeschia aethiopica</i>). Chemical Biology and Drug Design, 2019, 93, 1265-1275.	1.5	7
359	IL-4 absence triggers distinct pathways in apical periodontitis development. Journal of Proteomics, 2021, 233, 104080.	1.2	7
360	Comparative transcriptome analyses of magainin I-susceptible and -resistant Escherichia coli strains. Microbiology (United Kingdom), 2018, 164, 1383-1393.	0.7	7

#	Article	IF	Citations
361	Pharmacological Potential of Exercise and RAS Vasoactive Peptides for Prevention of Diseases. Current Protein and Peptide Science, 2013, 14, 459-471.	0.7	7
362	Development of Peptides that Inhibit Aminoglycoside-Modifying Enzymes and Î²-Lactamases for Control of Resistant Bacteria. Current Protein and Peptide Science, 2020, 21, 1011-1026.	0.7	7
363	Production and Biochemical Characterization of Insecticidal Enzymes from Aspergillus fumigatus Toward Callosobruchus maculatus. Current Microbiology, 2006, 52, 430-434.	1.0	6
364	Isolation of RNA from Polysaccharideâ€Rich Seeds. Preparative Biochemistry and Biotechnology, 2007, 37, 323-332.	1.0	6
365	The use of dual-energy X-ray absorptiometry in the evaluation of obesity in women with obstructive sleep apneaâ€“hypopnea syndrome. European Archives of Oto-Rhino-Laryngology, 2013, 270, 1539-1545.	0.8	6
366	Plant Antifungal Peptides. , 2013, , 169-179.		6
367	Cloning and characterization of novel cyclotides genes from South American plants. Biopolymers, 2016, 106, 784-795.	1.2	6
368	Self-Assembled Tea Tannin Graft Copolymer as Nanocarriers for Antimicrobial Drug Delivery and Wound Healing Activity. Journal of Nanoscience and Nanotechnology, 2018, 18, 2361-2369.	0.9	6
369	Response to â€˜â€˜MacIntyre etÂ al., 2020: A rapid systematic review of the efficacy of face masks and respirators against coronaviruses and other respiratory transmissible viruses for the community, healthcare workers and sick patientsâ€. International Journal of Nursing Studies, 2020, 109, 103714.	2.5	6
370	Antibiofilm Activity of Acidic Phospholipase Isoform Isolated from Bothrops erythromelas Snake Venom. Toxins, 2020, 12, 606.	1.5	6
371	Benchmarking analysis of deleterious SNP prediction tools on CYP2D6 enzyme. Chemical Biology and Drug Design, 2020, 96, 984-994.	1.5	6
372	Development of a novel anti-biofilm peptide derived from profilin of <i>Spodoptera frugiperda</i>. Biofouling, 2020, 36, 516-527.	0.8	6
373	Polyalanine peptide variations may have different mechanisms of action against multidrug-resistant bacterial pathogens. Journal of Antimicrobial Chemotherapy, 2021, 76, 1174-1186.	1.3	6
374	Antimicrobial Activity of Cyclic-Monomeric and Dimeric Derivatives of the Snail-Derived Peptide Cm-p5 against Viral and Multidrug-Resistant Bacterial Strains. Biomolecules, 2021, 11, 745.	1.8	6
375	Concentrated MTA Repair HP reduced biofilm and can cause reparative action at a distance. International Endodontic Journal, 2021, 54, 1925-1936.	2.3	6
376	Pseudomonas aeruginosa as a Powerful Biofilm Producer and Positive Action of Amikacin Against Isolates From Chronic Wounds. Jundishapur Journal of Microbiology, 2017, 10, .	0.2	6
377	Evaluation of Multiple Functions of Polygonum Genus Compounds. European Journal of Medicinal Plants, 2015, 6, 1-16.	0.5	6
378	Protective role of intergenerational paternal resistance training on fibrosis, inflammatory profile, and redox status in the adipose tissue of rat offspring fed with a high-fat diet. Life Sciences, 2022, 295, 120377.	2.0	6

#	Article	IF	Citations
379	Trichomonas vaginalis: Identification of a triacylglycerol acylhydrolase. Experimental Parasitology, 2005, 111, 260-263.	0.5	5
380	Purification of a 6.5 kDa Protease Inhibitor from Amazon Inga umbratica Seeds Effective Against Serine Proteases of the Boll Weevil Anthonomus grandis. Protein and Peptide Letters, 2005, 12, 583-587.	0.4	5
381	Purification and Characterization of a Liver-derived Î²-N-Acetylhexosaminidase from Marine Mammal Sotalia fluviatilis. Protein Journal, 2010, 29, 188-194.	0.7	5
382	Amphotericin B and anidulafungin directly interact with DNA and induce oxidative damage in the mammalian genome. Molecular BioSystems, 2015, 11, 2551-2559.	2.9	5
383	Anxiolytic-like effect of a novel peptide isolated from the venom of the social wasp Synoeca surinama. Toxicon, 2016, 122, 39-42.	0.8	5
384	Effect of Moderate Exercise on Mitochondrial Proteome in Heart Tissue of Spontaneous Hypertensive Rats. American Journal of Hypertension, 2016, 29, 696-704.	1.0	5
385	Draft Genome Sequence of the Antimicrobial-Producing Strain Paenibacillus elgii AC13. Genome Announcements, 2018, 6, .	0.8	5
386	Synergistic activity of chlorhexidine and synoecaâ€MP peptide against <i>Pseudomonas aeruginosa</i>. Journal of Cellular Physiology, 2019, 234, 16068-16079.	2.0	5
387	Identification, molecular characterization, and structural analysis of the blaNDM-1 gene/enzyme from NDM-1-producing Klebsiella pneumoniae isolates. Journal of Antibiotics, 2019, 72, 155-163.	1.0	5
388	Interactions of tetracyclines with milk allergenic protein (casein): a molecular and biological approach. Journal of Biomolecular Structure and Dynamics, 2020, 38, 5389-5400.	2.0	5
389	Antimicrobial and immunomodulatory in vitro profile of double antibiotic paste. International Endodontic Journal, 2021, 54, 1850-1860.	2.3	5
390	Elucidating Unusual Modes of Action and Resistance of Antibacterial Peptides. Current Topics in Medicinal Chemistry, 2016, 17, 520-536.	1.0	5
391	Synthetic peptides bioinspired in temporinâ€PTa with antibacterial and antibiofilm activity. Chemical Biology and Drug Design, 2022, , .	1.5	5
392	Partial purification and characterization of ribonucleases from roots, stem and leaves of cowpea. Brazilian Journal of Plant Physiology, 2001, 13, 357-364.	0.1	4
393	Deciphering bioactive peptides and their action mechanisms through proteomics. Expert Review of Proteomics, 2016, 13, 1007-1016.	1.3	4
394	Functionalization of nanostructures for antibiotic improvement: an interdisciplinary approach. Therapeutic Delivery, 2016, 7, 761-771.	1.2	4
395	Dual Insecticidal Effects of Adenanthera pavonina Kunitz-Type Inhibitor on Plodia interpunctella is Mediated by Digestive Enzymes Inhibition and Chitin-Binding Properties. Molecules, 2019, 24, 4344.	1.7	4
396	High-intensity aerobic training lowers blood pressure and modulates the renal renin-angiotensin system in spontaneously hypertensive rats. Clinical and Experimental Hypertension, 2020, 42, 233-238.	0.5	4

#	Article	IF	Citations
397	In silico characterization of class II plant defensins from Arabidopsis thaliana. Phytochemistry, 2020, 179, 112511.	1.4	4
398	Antibacterial activity and synergism of the essential oil of <i>Nectandra megapotamica</i> (L.) flowers against OXA-23-producing <i>Acinetobacter baumannii</i>. Journal of Essential Oil Research, 2020, 32, 260-268.	1.3	4
399	Involvement of the gabaergic, serotonergic and glucocorticoid mechanism in the anxiolytic-like effect of mastoparan-L. Neuropeptides, 2020, 81, 102027.	0.9	4
400	Proteomic analysis of human dental pulp in different clinical diagnosis. Clinical Oral Investigations, 2021, 25, 3285-3295.	1.4	4
401	Immunonutrition effects on coping with COVID-19. Food and Function, 2021, 12, 7637-7650.	2.1	4
402	Pyridine and pyrimidine functionalized half-sandwich Ru(II)-N heterocyclic carbene complexes: Synthesis, structures, spectra, electrochemistry and biological studies. Journal of Molecular Structure, 2021, 1231, 129822.	1.8	4
403	The Effects of High-Protein Diet and Resistance Training on Glucose Control and Inflammatory Profile of Visceral Adipose Tissue in Rats. Nutrients, 2021, 13, 1969.	1.7	4
404	Pyridine and pyrimidine functionalized half-sandwich Ru(II)-N heterocyclic carbene complexes: Synthesis, structures, spectra, electrochemistry and biological studies. Journal of Molecular Structure, 2021, 1245, 130939.	1.8	4
405	Purified citritin in combination with vancomycin inhibits VRE in vitro and in vivo. Microbiology (United Kingdom), 2017, 163, 1525-1531.	0.7	4
406	Cryptic Host Defense Peptides: Multifaceted Activity and Prospects for Medicinal Chemistry. Current Topics in Medicinal Chemistry, 2020, 20, 1274-1290.	1.0	4
407	Evaluation of the in vitro Antitumor Activity of Nanostructured Cyclotides in Polymers of EudragitÂ® L 100-55 and RS 30 D. Letters in Drug Design and Discovery, 2019, 16, 437-445.	0.4	4
408	CRISPR/Cas: The New Frontier in Plant Improvement. ACS Agricultural Science and Technology, 2022, 2, 202-214.	1.0	4
409	Peptidomimetics as Potential Anti-Virulence Drugs Against Resistant Bacterial Pathogens. Frontiers in Microbiology, 2022, 13, 831037.	1.5	4
410	Validation of an in vitro system for studies of pathogenicity mechanisms in Xanthomonas campestris. FEMS Microbiology Letters, 2017, 364, .	0.7	3
411	Recombinant Inga Laurina Trypsin Inhibitor (ILTI) Production in Komagataella Phaffii Confirms Its Potential Anti-Biofilm Effect and Reveals an Anti-Tumoral Activity. Microorganisms, 2018, 6, 37.	1.6	3
412	The use of host defense peptides in root canal therapy in rats. Clinical Oral Investigations, 2021, 25, 3623-3632.	1.4	3
413	An overview of the level of dietary support in the gut microbiota at different stages of life: A systematic review. Clinical Nutrition ESPEN, 2021, 42, 41-52.	0.5	3
414	Nanostrategies to Develop Current Antiviral Vaccines. ACS Applied Bio Materials, 2021, 4, 3880-3890.	2.3	3

#	Article	IF	Citations
415	Do Bioactive Food Compound with Avena sativa L., Linum usitatissimum L. and Glycine max L. Supplementation with Moringa oleifera Lam. Have a Role against Nutritional Disorders? An Overview of the In Vitro and In Vivo Evidence. Nutrients, 2021, 13, 2294.	1.7	3
416	A Wide Antimicrobial Peptides Search Method Using Fuzzy Modeling. Lecture Notes in Computer Science, 2009, , 147-150.	1.0	3
417	Host-directed therapies for malaria and tuberculosis: common infection strategies and repurposed drugs. Expert Review of Anti-Infective Therapy, 2022, 20, 849-869.	2.0	3
418	TRACE ELEMENT ANALYSIS OF PROTEINS DIRECTLY FROM 2D-PAGE: AN EFFICIENT STRATEGY FOR METALLOPROTEOMICS. Preparative Biochemistry and Biotechnology, 2011, 41, 236-242.	1.0	2
419	Antibacterial Glycine-rich Peptide from Guava (Psidium guajava) Seeds. , 2011, , 577-584.		2
420	Toxicological and Histological Evaluation ofBothrops itapetiningaeVenom. Journal of Herpetology, 2012, 46, 653-657.	0.2	2
421	Antifungal Peptides with Potential Against Pathogenic Fungi. , 2016, , 75-95.		2
422	Activity of synthetic peptides against <i>Chlamydia</i>. Biopolymers, 2017, 108, e23032.	1.2	2
423	Genomic Comparison among Lethal Invasive Strains of Streptococcus pyogenes Serotype M1. Frontiers in Microbiology, 2017, 8, 1993.	1.5	2
424	Novel choline analog 2-(4-((1-phenyl-1H-pyrazol-4-yl)methyl)piperazin-1-yl)ethan-1-ol produces sympathoinhibition, hypotension, and antihypertensive effects. Naunyn-Schmiedeberg's Archives of Pharmacology, 2019, 392, 1071-1083.	1.4	2
425	Effects of a Reserve Protein on Spodoptera frugiperda Development: A Biochemical and Molecular Approach to the Entomotoxic Mechanism. Molecules, 2020, 25, 2195.	1.7	2
426	Structural effects driven by rare point mutations in amylin hormone, the type II diabetes-associated peptide. Biochimica Et Biophysica Acta - General Subjects, 2021, 1865, 129935.	1.1	2
427	Can metallic nanomaterials be green and sustainable?. Current Opinion in Environmental Science and Health, 2021, 24, 100292.	2.1	2
428	Elucidating Novel Bacterial Targets and Designing Unusual Antimicrobial Peptides: Two Faces of the Same Proteomic Coin. Journal of Proteomics and Bioinformatics, 0, s8, .	0.4	2
429	MicroRNA levels in hemodialysis patients following resistance training: Associations with functional performance, inflammatory profile, sestrins-2, and nitric oxide. Experimental Gerontology, 2022, 162, 111761.	1.2	2
430	Advances in the use of plants as potential biofactories in the production of antimicrobial peptides. Peptide Science, 2023, 115, .	1.0	2
431	Identification of a Novel 2S Albumin with Antitryptic Activity from Caryocar brasiliense Seeds. Journal of Agricultural Science, 2015, 7, .	0.1	1
432	Identification of natural peptides as a new class of antimalarial drugs by i in silico i approaches. Frontiers in Bioscience - Scholar, 2017, 9, 88-110.	0.8	1

#	Article	IF	Citations
433	Fusion of plectasin derivative NZ2114 with hydrophilic random coil polypeptide: Recombinant production in <i>Pichia pastoris</i> and antimicrobial activity against clinical strain MRSA. Peptide Science, 2018, 110, e23034.	1.0	1
434	Antimicrobial residues in animal products may induceSalmonellaspp. resistance in humans. Future Medicinal Chemistry, 2018, 10, 2501-2506.	1.1	1
435	Identification of the Active Principle Conferring Anti-Inflammatory and Antinociceptive Properties in Bamboo Plant. Molecules, 2021, 26, 3054.	1.7	1
436	Paternal Resistance Exercise Modulates Skeletal Muscle Remodeling Pathways in Fathers and Male Offspring Submitted to a High-Fat Diet. Frontiers in Physiology, 2021, 12, 706128.	1.3	1
437	Enterococcus faecalis and Staphylococcus aureus stimulate nitric oxide production in macrophages and fibroblasts in vitro. Brazilian Journal of Oral Sciences, 0, 19, e207039.	0.1	1
438	Screening for cysteine-stabilized scaffolds for developing proteolytic-resistant AMPs. Methods in Enzymology, 2022, 663, 67-98.	0.4	1
439	Draft Genome Sequence of <i>Streptomyces</i> sp. Strain PSAA01, Isolated from the Soil of Eastern Himalayan Foothills. Microbiology Resource Announcements, 0, , .	0.3	1
440	The Emerging Role of the Aging Process and Exercise Training on the Crosstalk between Gut Microbiota and Telomere Length. International Journal of Environmental Research and Public Health, 2022, 19, 7810.	1.2	1
441	Evaluation of nutritional and antiâ€nutritional compounds from tania (XanthosomaSchott) corms. Nutrition and Food Science, 2010, 40, 419-428.	0.4	0
442	Peptides from agribusiness to human health. Biopolymers, 2012, 98, iii.	1.2	0
443	Evidences for Viral Strain Selection in Late Stages of HIV Infection: An Analysis of Vpu Alleles. Protein Journal, 2012, 31, 184-193.	0.7	0
444	Editorial (Thematic Issue: Discovery of Peptides and Proteins with Biotechnological Potential: From) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.7	0
445	Research in Exercise Science and Gut Microbiota: A Two-way Relationship. , 2022, , 308-318.		0
446	Host defense peptides clavanins A and MO reduce in vitro osteoclastogenesis. Brazilian Journal of Oral Sciences, 0, 20, e211512.	0.1	0
447	Proteomic Analysis of Intra- and Extracellular Proteins of Aspergillus Niveus During Submerged Bioprocess Culturing Under Different pH Conditions. Current Proteomics, 2021, 18, 563-574.	0.1	0
448	Organelles Proteomics. Organelles Proteomics, 2014, 1, .	0.2	0
449	Screening and isolation of antibacterial proteinaceous compounds from flower tissues: Alternatives for treatment of healthcare-associated infections. Tang [humanitas Medicine], 2014, 4, 5.1-5.8.	0.2	0
450	Exercise Impacts The Global Profile Of MiRNA In Plasma And Skeletal Muscle In Hypertensive Rats. Medicine and Science in Sports and Exercise, 2016, 48, 732.	0.2	0

#	Article	IF	Citations
451	Anti-inflammatory and antinociceptive activities of Rhipicephalus microplus saliva. Asian Pacific Journal of Tropical Biomedicine, 2018, 8, 194.	0.5	0
452	Systemic conditions of diabetic patients diagnosed with apical periodontitis. Rgo, 0, 69, .	0.2	0
453	Understanding the responsiveness of nitric oxide to acute eccentric resistance exercise in elderly obese women. Journal of Clinical and Translational Research, 2016, 2, 70-77.	0.3	0
454	Characterization of inhibitory supernatants produced by bacteria isolated from goat milk. Research, Society and Development, 2022, 11, e2111225280.	0.0	0