Octavio Franco

List of Publications by Citations

436 papers	10,681 citations	53 h-index	79 g-index
468 ext. papers	13,079 ext. citations	4.6 avg, IF	6.65 L-index

#	Paper	IF	Citations
436	Plant alpha-amylase inhibitors and their interaction with insect alpha-amylases. *FEBS Journal*, **2002**, 269, 397-412		324
435	Peptides with Dual Antimicrobial and Anticancer Activities. *Frontiers in Chemistry*, **2017**, 5, 5	5	200
434	Antibiotic adjuvants: diverse strategies for controlling drug-resistant pathogens. *Chemical Biology and Drug Design*, **2015**, 85, 56-78	2.9	184
433	Exercise induction of gut microbiota modifications in obese, non-obese and hypertensive rats. *BMC Genomics*, **2014**, 15, 511	4.5	171
432	Activity of wheat alpha-amylase inhibitors towards bruchid alpha-amylases and structural explanation of observed specificities. *FEBS Journal*, **2000**, 267, 2166-73		148
431	Plant gamma-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, 2239-53	5.6	138
430	Bacterial Contribution in Chronicity of Wounds. *Microbial Ecology*, **2017**, 73, 710-721	4.4	128
429	Synthetic antibiofilm peptides. *Biochimica Et Biophysica Acta - Biomembranes*, **2016**, 1858, 1061-9	3.8	124
428	Antimicrobial peptides from marine invertebrates as a new frontier for microbial infection control. *FASEB Journal*, **2010**, 24, 1320-34	0.9	124
427	Current scenario of peptide-based drugs: the key roles of cationic antitumor and antiviral peptides. *Frontiers in Microbiology*, **2013**, 4, 321	5.7	114
426	Antiviral peptides as promising therapeutic drugs. *Cellular and Molecular Life Sciences*, **2019**, 76, 3525-3542	6.3	113
425	Plant-pathogen interactions: what is proteomics telling us?. *FEBS Journal*, **2008**, 275, 3731-46	5.7	109
424	Understanding bacterial resistance to antimicrobial peptides: From the surface to deep inside. *Biochimica Et Biophysica Acta - Biomembranes*, **2015**, 1848, 3078-88	3.8	108
423	In silico optimization of a guava antimicrobial peptide enables combinatorial exploration for peptide design. *Nature Communications*, **2018**, 9, 1490	17.4	107
422	Peptide promiscuity: an evolutionary concept for plant defense. *FEBS Letters*, **2011**, 585, 995-1000	3.8	106
421	Antimicrobial Peptides and Nanotechnology, Recent Advances and Challenges. *Frontiers in Microbiology*, **2018**, 9, 855	5.7	102
420	Expression systems for heterologous production of antimicrobial peptides. *Peptides*, **2012**, 38, 446-56	3.8	102

419	The microbiota: an exercise immunology perspective. *Exercise Immunology Review*, **2015**, 21, 70-9	8.6	100
418	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	5.9	98
417	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	8.8	98
416	Plant storage proteins with antimicrobial activity: novel insights into plant defense mechanisms. *FASEB Journal*, **2011**, 25, 3290-305	0.9	93
415	Designing improved active peptides for therapeutic approaches against infectious diseases. *Biotechnology Advances*, **2018**, 36, 415-429	17.8	91
414	Lipopeptides in microbial infection control: scope and reality for industry. *Biotechnology Advances*, **2013**, 31, 338-45	17.8	88
413	Antibacterial peptides from plants: what they are and how they probably work. *Biochemistry Research International*, **2011**, 2011, 250349	2.4	87
412	Identification and structural insights of three novel antimicrobial peptides isolated from green coconut water. *Peptides*, **2009**, 30, 633-7	3.8	86
411	Inhibition of trypsin by cowpea thionin: characterization, molecular modeling, and docking. *Proteins: Structure, Function and Bioinformatics*, **2002**, 48, 311-9	4.2	86
410	The use of versatile plant antimicrobial peptides in agribusiness and human health. *Peptides*, **2014**, 55, 65-78	3.8	82
409	New frontiers for anti-biofilm drug development. *Pharmacology & Therapeutics*, **2016**, 160, 133-44	13.9	81
408	Antibiofilm peptides increase the susceptibility of carbapenemase-producing Klebsiella pneumoniae clinical isolates to β-lactam antibiotics. *Antimicrobial Agents and Chemotherapy*, **2015**, 59, 3906-12	5.9	79
407	Challenges and future prospects of antibiotic therapy: from peptides to phages utilization. *Frontiers in Pharmacology*, **2014**, 5, 105	5.6	79
406	Identification of a novel storage glycine-rich peptide from guava (Psidium guajava) seeds with activity against Gram-negative bacteria. *Peptides*, **2008**, 29, 1271-9	3.8	79
405	Identification of a cowpea gamma-thionin with bactericidal activity. *FEBS Journal*, **2006**, 273, 3489-97	5.7	76
404	An anti-infective synthetic peptide with dual antimicrobial and immunomodulatory activities. *Scientific Reports*, **2016**, 6, 35465	4.9	75
403	Novel insights on the mechanism of action of alpha-amylase inhibitors from the plant defensin family. *Proteins: Structure, Function and Bioinformatics*, **2008**, 73, 719-29	4.2	75
402	A Review of Computational Tools in microRNA Discovery. *Frontiers in Genetics*, **2013**, 4, 81	4.5	74

401	Proteomic approaches to study plant-pathogen interactions. *Phytochemistry*, **2010**, 71, 351-62	4	74
400	Biotechnological potential of antimicrobial peptides from flowers. *Peptides*, **2008**, 29, 1842-51	3.8	73
399	Computational tools for exploring sequence databases as a resource for antimicrobial peptides. *Biotechnology Advances*, **2017**, 35, 337-349	17.8	71
398	Lovastatin production: From molecular basis to industrial process optimization. *Biotechnology Advances*, **2015**, 33, 648-65	17.8	69
397	Antimicrobial peptides: Role in human disease and potential as immunotherapies. *Pharmacology & Therapeutics*, **2017**, 178, 132-140	13.9	68
396	Purification, biochemical characterisation and partial primary structure of a new alpha-amylase inhibitor from Secale cereale (rye). *International Journal of Biochemistry and Cell Biology*, **2000**, 32, 1195-204	5.6	64
395	Identification and structural characterization of novel cyclotide with activity against an insect pest of sugar cane. *Journal of Biological Chemistry*, **2012**, 287, 134-147	5.4	62
394	Structure-function-guided exploration of the antimicrobial peptide polybia-CP identifies activity determinants and generates synthetic therapeutic candidates. *Communications Biology*, **2018**, 1, 221	6.7	61
393	Computer-Aided Design of Antimicrobial Peptides: Are We Generating Effective Drug Candidates?. *Frontiers in Microbiology*, **2019**, 10, 3097	5.7	60
392	CS-AMPPred: an updated SVM model for antimicrobial activity prediction in cysteine-stabilized peptides. *PLoS ONE*, **2012**, 7, e51444	3.7	60
391	Identification of Lactic Acid Bacteria in Fruit Pulp Processing Byproducts and Potential Probiotic Properties of Selected Lactobacillus Strains. *Frontiers in Microbiology*, **2016**, 7, 1371	5.7	60
390	Effects of oregano essential oil and carvacrol on biofilms of Staphylococcus aureus from food-contact surfaces. *Food Control*, **2017**, 73, 1237-1246	6.2	58
389	Animal venoms as antimicrobial agents. *Biochemical Pharmacology*, **2017**, 134, 127-138	6	57
388	Circulating miR-1, miR-133a, and miR-206 levels are increased after a half-marathon run. *Biomarkers* , **2014**, 19, 585-9	2.6	57
387	Activity toward Bruchid Pest of a Kunitz-Type Inhibitor from Seeds of the Algaroba Tree (Prosopis juliflora D.C.). *Pesticide Biochemistry and Physiology*, **2002**, 72, 122-132	4.9	57
386	Antimicrobial magnetic nanoparticles based-therapies for controlling infectious diseases. *International Journal of Pharmaceutics*, **2019**, 555, 356-367	6.5	57
385	Bacterial resistance mechanism: what proteomics can elucidate. *FASEB Journal*, **2013**, 27, 1291-303	0.9	54
384	Insights into animal and plant lectins with antimicrobial activities. *Molecules*, **2015**, 20, 519-41	4.8	54

383	Effects of black-eyed pea trypsin/chymotrypsin inhibitor on proteolytic activity and on development of Anthonomus grandis. *Phytochemistry*, **2003**, 63, 343-9	4	53
382	Metaproteomics as a Complementary Approach to Gut Microbiota in Health and Disease. *Frontiers in Chemistry*, **2017**, 5, 4	5	52
381	Identification of an antifungal peptide from Trapa natans fruits with inhibitory effects on Candida tropicalis biofilm formation. *Peptides*, **2011**, 32, 1741-7	3.8	51
380	Plant cyclotides: an unusual class of defense compounds. *Peptides*, **2007**, 28, 1475-81	3.8	50
379	An antifungal peptide from passion fruit (Passiflora edulis) seeds with similarities to 2S albumin proteins. *Biochimica Et Biophysica Acta - Proteins and Proteomics*, **2006**, 1764, 1141-6	4	50
378	Characterization of the Antimicrobial Peptide Penisin, a Class Ia Novel Lantibiotic from Paenibacillus sp. Strain A3. *Antimicrobial Agents and Chemotherapy*, **2016**, 60, 580-91	5.9	49
377	In vivo bioinsecticidal activity toward Ceratitis capitata (fruit fly) and Callosobruchus 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, 4381-7	5.7	49
376	The role of antimicrobial peptides in plant immunity. *Journal of Experimental Botany*, **2018**, 69, 4997-5011	7	48
375	Identification of multifunctional peptides from human milk. *Peptides*, **2014**, 56, 84-93	3.8	48
374	Prediction of antimicrobial peptides based on the adaptive neuro-fuzzy inference system application. *Biopolymers*, **2012**, 98, 280-7	2.2	48
373	Pyrazine functionalized Ag(I) and Au(I)-NHC complexes are potential antibacterial agents. *Current Medicinal Chemistry*, **2012**, 19, 4184-93	4.3	48
372	Nanostructured sensor based on carbon nanotubes and clavanin A for bacterial detection. *Colloids and Surfaces B: Biointerfaces*, **2015**, 135, 833-839	6	47
371	Inhibition of insect pest □amylases by little and finger millet inhibitors. *Pesticide Biochemistry and Physiology*, **2006**, 85, 155-160	4.9	47
370	Effects of soybean Kunitz trypsin inhibitor on the cotton boll weevil (Anthonomus grandis). *Phytochemistry*, **2004**, 65, 81-9	4	47
369	Cysteine-stabilized □defensins: From a common fold to antibacterial activity. *Peptides*, **2015**, 72, 64-72	3.8	46
368	Theoretical structural insights into the snakin/GASA family. *Peptides*, **2013**, 44, 163-7	3.8	46
367	Head and neck cancer: proteomic advances and biomarker achievements. *Cancer*, **2010**, 116, 4914-25	6.4	46
366	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		46

365	N, NROlefin functionalized bis-imidazolium gold(I) salt is an efficient candidate to control keratitis-associated eye infection. *PLoS ONE*, **2013**, 8, e58346	3.7	45
364	Identification and characterization of a bactericidal and proapoptotic peptide from Cycas revoluta seeds with DNA binding properties. *Journal of Cellular Biochemistry*, **2012**, 113, 184-93	4.7	44
363	Snake venoms: attractive antimicrobial proteinaceous compounds for therapeutic purposes. *Cellular and Molecular Life Sciences*, **2013**, 70, 4645-58	10.3	44
362	In vivo proteome analysis of Xanthomonas campestris pv. campestris in the interaction with the host plant Brassica oleracea. *FEMS Microbiology Letters*, **2008**, 281, 167-74	2.9	44
361	Antimicrobial Peptides from Fruits and Their Potential Use as Biotechnological Tools-A Review and Outlook. *Frontiers in Microbiology*, **2016**, 7, 2136	5.7	43
360	Bioinsecticidal activity of a novel Kunitz trypsin inhibitor from Catanduva (Piptadenia moniliformis) seeds. *Plant Physiology and Biochemistry*, **2013**, 70, 61-8	5.4	42
359	Exploring the pharmacological potential of promiscuous host-defense peptides: from natural screenings to biotechnological applications. *Frontiers in Microbiology*, **2011**, 2, 232	5.7	42
358	Selective amino acid substitution reduces cytotoxicity of the antimicrobial peptide mastoparan. *Biochimica Et Biophysica Acta - Biomembranes*, **2016**, 1858, 2699-2708	3.8	41
357	Diabetes mellitus and inflammatory pulpal and periapical disease: a review. *International Endodontic Journal*, **2013**, 46, 700-9	5.4	41
356	In silico identification of novel hevein-like peptide precursors. *Peptides*, **2012**, 38, 127-36	3.8	40
355	Cn-AMP1: a new promiscuous peptide with potential for microbial infections treatment. *Biopolymers*, **2012**, 98, 322-31	2.2	39
354	A polyalanine peptide derived from polar fish with anti-infectious activities. *Scientific Reports*, **2016**, 6, 21385	4.9	39
353	Functional characterization of a synthetic hydrophilic antifungal peptide derived from the marine snail Cenchritis muricatus. *Biochimie*, **2012**, 94, 968-74	4.6	38
352	Purification, biochemical characterization and self-assembled structure of a fengycin-like antifungal peptide from Bacillus thuringiensis strain SM1. *Frontiers in Microbiology*, **2013**, 4, 332	5.7	38
351	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, 148-56	2.8	38
350	Deciphering the magainin resistance process of Escherichia coli strains in light of the cytosolic proteome. *Antimicrobial Agents and Chemotherapy*, **2012**, 56, 1714-24	5.9	37
349	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	3.8	36
348	Effects of Acute Aerobic Exercise on Rats Serum Extracellular Vesicles Diameter, Concentration and Small RNAs Content. *Frontiers in Physiology*, **2018**, 9, 532	4.6	36

347	The Effects of Acute and Chronic Exercise on Skeletal Muscle Proteome. *Journal of Cellular Physiology*, **2017**, 232, 257-269	7	35
346	Interference With Quorum-Sensing Signal Biosynthesis as a Promising Therapeutic Strategy Against Multidrug-Resistant Pathogens. *Frontiers in Cellular and Infection Microbiology*, **2018**, 8, 444	5.9	35
345	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	4.9	35
344	Evaluation of an antimicrobial L-amino acid oxidase and peptide derivatives from Bothropoides mattogrosensis pitviper venom. *PLoS ONE*, **2012**, 7, e33639	3.7	35
343	Overlapping binding sites for trypsin and papain on a Kunitz-type proteinase inhibitor from Prosopis juliflora. *Proteins: Structure, Function and Bioinformatics*, **2002**, 49, 335-41	4.2	35
342	Antimicrobial activity of recombinant Pg-AMP1, a glycine-rich peptide from guava seeds. *Peptides*, **2012**, 37, 294-300	3.8	34
341	A simple nanostructured biosensor based on clavanin A antimicrobial peptide for gram-negative bacteria detection. *Biochemical Engineering Journal*, **2017**, 124, 108-114	4.2	33
340	Non-Lytic Antibacterial Peptides That Translocate Through Bacterial Membranes to Act on Intracellular Targets. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	33
339	Review: Potential biotechnological assets related to plant immunity modulation applicable in engineering disease-resistant crops. *Plant Science*, **2018**, 270, 72-84	5.3	33
338	Joker: An algorithm to insert patterns into sequences for designing antimicrobial peptides. *Biochimica Et Biophysica Acta - General Subjects*, **2018**, 1862, 2043-2052	4	33
337	Designing metallodrugs with nuclease and protease activity. *Metallomics*, **2016**, 8, 1159-1169	4.5	33
336	Bioactive Peptides Against Fungal Biofilms. *Frontiers in Microbiology*, **2019**, 10, 2169	5.7	31
335	Recombinant probiotics with antimicrobial peptides: a dual strategy to improve immune response in immunocompromised patients. *Drug Discovery Today*, **2014**, 19, 1045-50	8.8	31
334	Proteomics applied to exercise physiology: a cutting-edge technology. *Journal of Cellular Physiology* , **2012**, 227, 885-98	7	31
333	Characterization of two Acanthoscelides obtectus alpha-amylases and their inactivation by wheat inhibitors. *Journal of Agricultural and Food Chemistry*, **2005**, 53, 1585-90	5.7	31
332	Induced Bacterial Cross-Resistance toward Host Antimicrobial Peptides: A Worrying Phenomenon. *Frontiers in Microbiology*, **2016**, 7, 381	5.7	31
331	Cm-p5: an antifungal hydrophilic peptide derived from the coastal mollusk Cenchritis muricatus (Gastropoda: Littorinidae). *FASEB Journal*, **2015**, 29, 3315-25	0.9	30
330	Physiological and proteomic analyses of Saccharum spp. grown under salt stress. *PLoS ONE*, **2014**, 9, e98463	3.7	30

329	Mapping of the conserved antigenic domains shared between potato apyrase and parasite ATP diphosphohydrolases: potential application in human parasitic diseases. *Parasitology*, **2008**, 135, 943-53	2.7	30
328	Isolation of a novel Carica papaya α-amylase inhibitor with deleterious activity toward Callosobruchus maculatus. *Pesticide Biochemistry and Physiology*, **2007**, 87, 255-260	4.9	30
327	Neuromicrobiology: How Microbes Influence the Brain. *ACS Chemical Neuroscience*, **2018**, 9, 141-150	5.7	30
326	Clavanin A improves outcome of complications from different bacterial infections. *Antimicrobial Agents and Chemotherapy*, **2015**, 59, 1620-6	5.9	29
325	Predicting antimicrobial peptides from eukaryotic genomes: in silico strategies to develop antibiotics. *Peptides*, **2012**, 37, 301-8	3.8	29
324	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, 313-9	2.3	29
323	Selective antibacterial activity of the cationic peptide PaDBS1R6 against Gram-negative bacteria. *Biochimica Et Biophysica Acta - Biomembranes*, **2019**, 1861, 1375-1387	3.8	28
322	Effects of cyclotides against cutaneous infections caused by Staphylococcus aureus. *Peptides*, **2015**, 63, 38-42	3.8	28
321	Phenolic Compounds in Antimicrobial Therapy. *Journal of Medicinal Food*, **2017**, 20, 1031-1038	2.8	28
320	Comparative proteome analysis of Xanthomonas campestris pv. campestris in the interaction with the susceptible and the resistant cultivars of Brassica oleracea. *FEMS Microbiology Letters*, **2009**, 298, 260-6	2.9	28
319	Rooteomics: the challenge of discovering plant defense-related proteins in roots. *Current Protein and Peptide Science*, **2008**, 9, 108-16	2.8	28
318	Structural and functional characterization of a multifunctional alanine-rich peptide analogue from Pleuronectes americanus. *PLoS ONE*, **2012**, 7, e47047	3.7	28
317	Antimicrobial activity predictors benchmarking analysis using shuffled and designed synthetic peptides. *Journal of Theoretical Biology*, **2017**, 426, 96-103	2.3	27
316	Exploiting the biological roles of the trypsin inhibitor from Inga vera seeds: A multifunctional Kunitz inhibitor. *Process Biochemistry*, **2016**, 51, 792-803	4.8	27
315	New edge of antibiotic development: antimicrobial peptides and corresponding resistance. *Frontiers in Microbiology*, **2014**, 5, 147	5.7	27
314	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, 164-72	2.3	27
313	Fold recognition analysis of glycosyltransferase families: further members of structural superfamilies. *Glycobiology*, **2003**, 13, 707-12	5.8	27
312	Functional and structural insights on self-assembled nanofiber-based novel antibacterial ointment from antimicrobial peptides, bacitracin and gramicidin S. *Journal of Antibiotics*, **2014**, 67, 771-5	3.7	26

311	Inhibitory effects of a Kunitz-type inhibitor from Pithecellobium dumosum (Benth) seeds against insect-pests digestive proteinases. *Plant Physiology and Biochemistry*, **2013**, 63, 70-6	5.4	26
310	Identification of E. dysenterica laxative peptide: a novel strategy in the treatment of chronic constipation and irritable bowel syndrome. *Peptides*, **2010**, 31, 1426-33	3.8	26
309	Insights into novel antimicrobial compounds and antibiotic resistance genes from soil metagenomes. *Frontiers in Microbiology*, **2014**, 5, 489	5.7	25
308	Molecular cloning and expression of an alpha-amylase inhibitor from rye with potential for controlling insect pests. *Protein Journal*, **2005**, 24, 113-23	3.9	25
307	Chemical immobilization of antimicrobial peptides on biomaterial surfaces. *Frontiers in Bioscience - Scholar*, **2016**, 8, 129-42	2.4	25
306	Structural and functional evaluation of the palindromic alanine-rich antimicrobial peptide Pa-MAP2. *Biochimica Et Biophysica Acta - Biomembranes*, **2016**, 1858, 1488-98	3.8	25
305	Short Cationic Peptide Derived from Archaea with Dual Antibacterial Properties and Anti-Infective Potential. *ACS Infectious Diseases*, **2019**, 5, 1081-1086	5.5	24
304	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, 1939-48	4.6	24
303	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	3.7	24
302	Influence of Cysteine and Tryptophan Substitution on DNA-Binding Activity on Maize Hairpinin Antimicrobial Peptide. *Molecules*, **2016**, 21,	4.8	24
301	A Computationally Designed Peptide Derived from Escherichia coli as a Potential Drug Template for Antibacterial and Antibiofilm Therapies. *ACS Infectious Diseases*, **2018**, 4, 1727-1736	5.5	24
300	Antimicrobial and Antibiofilm Activities of Helical Antimicrobial Peptide Sequences Incorporating Metal-Binding Motifs. *Biochemistry*, **2019**, 58, 3802-3812	3.2	23
299	Antimicrobial peptide-based treatment for endodontic infections--biotechnological innovation in endodontics. *Biotechnology Advances*, **2015**, 33, 203-213	17.8	23
298	Characterization and pharmacological properties of a novel multifunctional Kunitz inhibitor from Erythrina velutina seeds. *PLoS ONE*, **2013**, 8, e63571	3.7	23
297	Identification of a novel bean alpha-amylase inhibitor with chitinolytic activity. *FEBS Letters*, **2005**, 579, 5616-20	3.8	23
296	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	14.3	22
295	Optical and dielectric sensors based on antimicrobial peptides for microorganism diagnosis. *Frontiers in Microbiology*, **2014**, 5, 443	5.7	22
294	Membrane-active macromolecules kill antibiotic-tolerant bacteria and potentiate antibiotics towards Gram-negative bacteria. *PLoS ONE*, **2017**, 12, e0183263	3.7	22

293	Activity of Scorpion Venom-Derived Antifungal Peptides against Planktonic Cells of spp. and and Biofilms. *Frontiers in Microbiology*, **2016**, 7, 1844	5.7	22
292	Linear antimicrobial peptides with activity against herpes simplex virus 1 and Aichi virus. *Biopolymers*, **2017**, 108, e22871	2.2	21
291	Clavanin A-bioconjugated FeO/Silane core-shell nanoparticles for thermal ablation of bacterial biofilms. *Colloids and Surfaces B: Biointerfaces*, **2018**, 169, 72-81	6	21
290	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, 10-9	2.8	21
289	Structure and enzyme properties of Zabrotes subfasciatus alpha-amylase. *Archives of Insect Biochemistry and Physiology*, **2006**, 61, 77-86	2.3	21
288	Use of phage display to select novel cystatins specific for Acanthoscelides obtectus cysteine proteinases. *Biochimica Et Biophysica Acta - Proteins and Proteomics*, **2003**, 1651, 146-52	4	21
287	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	11.5	21
286	Computational analyses and prediction of guanylin deleterious SNPs. *Peptides*, **2015**, 69, 92-102	3.8	20
285	Fast and potent bactericidal membrane lytic activity of PaDBS1R1, a novel cationic antimicrobial peptide. *Biochimica Et Biophysica Acta - Biomembranes*, **2019**, 1861, 178-190	3.8	20
284	Comparative transcriptomic analysis indicates genes associated with local and systemic resistance to Colletotrichum graminicola in maize. *Scientific Reports*, **2017**, 7, 2483	4.9	20
283	Proteomic Analysis of Developing Somatic Embryos of Coffea arabica. *Plant Molecular Biology Reporter*, **2012**, 30, 1393-1399	1.7	20
282	Evaluation of Magainin I interactions with lipid membranes: an optical and electrochemical study. *Chemistry and Physics of Lipids*, **2012**, 165, 537-44	3.7	20
281	Plant nuclear proteomics--inside the cell maestro. *FEBS Journal*, **2010**, 277, 3295-307	5.7	20
280	Proteomic analysis of Metarhizium anisopliae secretion in the presence of the insect pest Callosobruchus maculatus. *Microbiology (United Kingdom)*, **2008**, 154, 3766-3774	2.9	20
279	INFLUENCE OF HEAT TREATMENT AND GRAIN GERMINATION ON THE ISOFLAVONE PROFILE OF SOY MILK. *Journal of Food Biochemistry*, **2006**, 30, 234-247	3.3	20
278	Type 2 diabetes elicits lower nitric oxide, bradykinin concentration and kallikrein activity together with higher DesArg(9)-BK and reduced post-exercise hypotension compared to non-diabetic condition. *PLoS ONE*, **2013**, 8, e80348	3.7	20
277	Biomedical exploitation of self assembled peptide based nanostructures. *Current Protein and Peptide Science*, **2013**, 14, 580-7	2.8	20
276	Antifungal nanofibers made by controlled release of sea animal derived peptide. *Nanoscale*, **2015**, 7, 6238-46	7.7	19

275	Structural Studies of a Lipid-Binding Peptide from Tunicate Hemocytes with Anti-Biofilm Activity. *Scientific Reports*, **2016**, 6, 27128	4.9	19
274	In vivo antimicrobial evaluation of an alanine-rich peptide derived from Pleuronectes americanus. *Peptides*, **2013**, 42, 144-8	3.8	19
273	Dengue virus tetra-epitope peptide expressed in lettuce chloroplasts for potential use in dengue diagnosis. *Applied Microbiology and Biotechnology*, **2013**, 97, 5721-9	5.7	19
272	A novel antimicrobial peptide from Crotalaria pallida seeds with activity against human and phytopathogens. *Current Microbiology*, **2009**, 59, 400-4	2.4	19
271	Protective effects of a cysteine proteinase propeptide expressed in transgenic soybean roots. *Peptides*, **2009**, 30, 825-31	3.8	19
270	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**, 11, 3849-57	7.3	19
269	Novel boronic acid derivatives of bis(indolyl) methane as anti-MRSA agents. *Bioorganic and Medicinal Chemistry Letters*, **2017**, 27, 2135-2138	2.9	18
268	The rescue of botanical insecticides: A bioinspiration for new niches and needs. *Pesticide Biochemistry and Physiology*, **2017**, 143, 14-25	4.9	18
267	Bacterial Proteinaceous Compounds With Multiple Activities Toward Cancers and Microbial Infection. *Frontiers in Microbiology*, **2019**, 10, 1690	5.7	18
266	Production of a modified peptide clavanin in Pichia pastoris: cloning, expression, purification and in vitro activities. *AMB Express*, **2015**, 5, 129	4.1	18
265	Tolerance response of multidrug-resistant Salmonella enterica strains to habituation to Origanum vulgare L. essential oil. *Frontiers in Microbiology*, **2014**, 5, 721	5.7	18
264	Identification of a Passiflora alata Curtis dimeric peptide showing identity with 2S albumins. *Peptides*, **2011**, 32, 868-74	3.8	18
263	Bactericidal activity identified in 2S Albumin from sesame seeds and in silico studies of structure-function relations. *Protein Journal*, **2011**, 30, 340-50	3.9	18
262	Susceptibility of human pathogenic bacteria to antimicrobial peptides from sesame kernels. *Current Microbiology*, **2007**, 55, 162-6	2.4	18
261	Antimicrobial peptides from : a splendid immune defense response in silkworms.. *RSC Advances*, **2019**, 10, 512-523	3.7	18
260	LL-37 boosts immunosuppressive function of placenta-derived mesenchymal stromal cells. *Stem Cell Research and Therapy*, **2016**, 7, 189	8.3	18
259	Production of a polar fish antimicrobial peptide in Escherichia coli using an ELP-intein tag. *Journal of Biotechnology*, **2016**, 234, 83-89	3.7	18
258	Effects of proteinase inhibitor from Adenanthera pavonina seeds on short- and long term larval development of Aedes aegypti. *Biochimie*, **2015**, 112, 172-86	4.6	17

257	Characterization of a Bioactive Acyclotide from Palicourea rigida. *Journal of Natural Products*, **2016**, 79, 2767-2773	4.9	17
256	Identification of four novel members of Kunitz-like □amylase inhibitors family from Delonix regia with activity toward Coleopteran insects. *Pesticide Biochemistry and Physiology*, **2009**, 95, 166-172	4.9	17
255	In Vivo Effects of Cagaita (Eugenia dysenterica, DC.) Leaf Extracts on Diarrhea Treatment. *Evidence-based Complementary and Alternative Medicine*, **2011**, 2011,	2.3	17
254	Investigation of insecticidal activity of rye □amylase inhibitor gene expressed in transgenic tobacco (Nicotiana tabacum) toward cotton boll weevil (Anthonomus grandis). *Pesticide Biochemistry and Physiology*, **2010**, 98, 39-44	4.9	17
253	Novel insights in the use of hydrolytic enzymes secreted by fungi with biotechnological potential. *Letters in Applied Microbiology*, **2007**, 44, 573-81	2.9	17
252	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, 333-8	3.2	17
251	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	3.2	17
250	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	0.9	17
249	Snake Venom Cathelicidins as Natural Antimicrobial Peptides. *Frontiers in Pharmacology*, **2019**, 10, 1415	5.6	17
248	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	7.6	17
247	Immune Response Profile against Persistent Endodontic Pathogens Candida albicans and Enterococcus faecalis In Vitro. *Journal of Endodontics*, **2015**, 41, 1061-5	4.7	16
246	Viperatoxin-II: A novel viper venom protein as an effective bactericidal agent. *FEBS Open Bio*, **2015**, 5, 928-41	2.7	16
245	Structural insights into Cn-AMP1, a short disulfide-free multifunctional peptide from green coconut water. *FEBS Letters*, **2015**, 589, 639-44	3.8	16
244	Shedding some light over the floral metabolism by arum lily (Zantedeschia aethiopica) spathe de novo transcriptome assembly. *PLoS ONE*, **2014**, 9, e90487	3.7	16
243	Clavanin bacterial sepsis control using a novel methacrylate nanocarrier. *International Journal of Nanomedicine*, **2014**, 9, 5055-69	7.3	16
242	Cyclotides: From Gene Structure to Promiscuous Multifunctionality. *Journal of Evidence-Based Complementary & Alternative Medicine*, **2012**, 17, 40-53		16
241	A Kunitz proteinase inhibitor from corms of Xanthosoma blandum with bactericidal activity. *Journal of Natural Products*, **2011**, 74, 969-75	4.9	16
240	Beta-helical catalytic domains in glycoside hydrolase families 49, 55 and 87: domain architecture, modelling and assignment of catalytic residues. *FEBS Letters*, **2002**, 530, 225-32	3.8	16

239	Effects of Antibiotic Treatment on Gut Microbiota and How to Overcome Its Negative Impacts on Human Health. *ACS Infectious Diseases*, **2020**, 6, 2544-2559	5.5	16
238	Venom gland transcriptome analyses of two freshwater stingrays (Myliobatiformes: Potamotrygonidae) from Brazil. *Scientific Reports*, **2016**, 6, 21935	4.9	16
237	An Immunomodulatory Peptide Confers Protection in an Experimental Candidemia Murine Model. *Antimicrobial Agents and Chemotherapy*, **2017**, 61,	5.9	15
236	Exercise performed around MLSS decreases systolic blood pressure and increases aerobic fitness in hypertensive rats. *BMC Physiology*, **2015**, 15, 1	0	15
235	Bio-molecule functionalized rapid one-pot green synthesis of silver nanoparticles and their efficacy toward the multidrug resistant (MDR) gut bacteria of silkworms ().. *RSC Advances*, **2020**, 10, 22742-22757	3.7	15
234	Breaking the frontiers of cosmetology with antimicrobial peptides. *Biotechnology Advances*, **2018**, 36, 2019-2031	17.8	15
233	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	5.3	15
232	In silico analyses of deleterious missense SNPs of human apolipoprotein E3. *Scientific Reports*, **2017**, 7, 2509	4.9	15
231	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, 903-18	4.5	15
230	Understanding, preventing and eradicating Klebsiella pneumoniae biofilms. *Future Microbiology*, **2016**, 11, 527-38	2.9	15
229	NanoUPLC/MS(E) proteomic analysis reveals modulation on left ventricle proteome from hypertensive rats after exercise training. *Journal of Proteomics*, **2015**, 113, 351-65	3.9	14
228	Nanofibers as drug-delivery systems for infection control in dentistry. *Expert Opinion on Drug Delivery*, **2020**, 17, 919-930	8	14
227	Pharmaceutical applications of cyclotides. *Drug Discovery Today*, **2019**, 24, 2152-2161	8.8	14
226	Tolerance evaluation in Salmonella enterica serovar Typhimurium challenged with sublethal amounts of Rosmarinus officinalis L. essential oil or 1,8-cineole in meat model. *International Journal of Food Science and Technology*, **2014**, 49, 1912-1917	3.8	14
225	Insulin-like plant proteins as potential innovative drugs to treat diabetes-The Moringa oleifera case study. *New Biotechnology*, **2017**, 39, 99-109	6.4	14
224	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	5.7	14
223	High-performance computational analysis and peptide screening from databases of cyclotides from poaceae. *Biopolymers*, **2016**, 106, 109-18	2.2	14
222	Synthetic Biology and Computer-Based Frameworks for Antimicrobial Peptide Discovery. *ACS Nano*, **2021**, 15, 2143-2164	16.7	14

221	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	4.3	13
220	Utilization of antimicrobial peptides, analogues and mimics in creating antimicrobial surfaces and bio-materials. *Biochemical Engineering Journal*, **2019**, 150, 107237	4.2	13
219	Acute eccentric resistance exercise decreases matrix metalloproteinase activity in obese elderly women. *Clinical Physiology and Functional Imaging*, **2016**, 36, 139-45	2.4	13
218	Identification of proteins in susceptible and resistant Brassica oleracea responsive to Xanthomonas campestris pv. campestris infection. *Journal of Proteomics*, **2016**, 143, 278-285	3.9	13
217	Synthesis and cytotoxic characteristics displayed by a series of Ag(I)-, Au(I)- and Au(III)-complexes supported by a common N-heterocyclic carbene. *New Journal of Chemistry*, **2018**, 42, 13948-13956	3.6	13
216	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, 464-72	5	13
215	Understanding the patterns of antibiotic susceptibility of bacteria causing urinary tract infection in West Bengal, India. *Frontiers in Microbiology*, **2014**, 5, 463	5.7	13
214	Exercise training at MLSS decreases weight gain and increases aerobic capacity in obese Zucker rats. *International Journal of Sports Medicine*, **2014**, 35, 199-202	3.6	13
213	Identification of botryticidal proteins with similarity to NBS-LRR proteins in rosemary pepper (Lippia sidoides Cham.) flowers. *Protein Journal*, **2011**, 30, 32-8	3.9	13
212	Identification of a novel antimicrobial peptide from Brazilian coast coral Phyllogorgia dilatata. *Protein and Peptide Letters*, **2013**, 20, 1153-8	1.9	13
211	Molecular identification of four different alpha-amylase inhibitors from baru (Dipteryx alata) seeds with activity toward insect enzymes. *BMB Reports*, **2007**, 40, 494-500	5.5	13
210	Limited Effects of Low-to-Moderate Aerobic Exercise on the Gut Microbiota of Mice Subjected to a High-Fat Diet. *Nutrients*, **2019**, 11,	6.7	13
209	Antimicrobial Peptides and Cell-Penetrating Peptides for Treating Intracellular Bacterial Infections. *Frontiers in Cellular and Infection Microbiology*, **2020**, 10, 612931	5.9	13
208	A structural perspective of plant antimicrobial peptides. *Biochemical Journal*, **2018**, 475, 3359-3375	3.8	13
207	Structural and Functional Analyses of Cone Snail Toxins. *Marine Drugs*, **2019**, 17,	6	12
206	The Complex Puzzle of Interactions Among Functional Food, Gut Microbiota, and Colorectal Cancer. *Frontiers in Oncology*, **2018**, 8, 325	5.3	12
205	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	8.3	12
204	In vivo efficacy of anuran trypsin inhibitory peptides against staphylococcal skin infection and the impact of peptide cyclization. *Antimicrobial Agents and Chemotherapy*, **2015**, 59, 2113-21	5.9	12

203	Effects of hypertension and exercise on cardiac proteome remodelling. *BioMed Research International*, **2014**, 2014, 634132	3	12
202	Comparative proteomics between natural Microcystis isolates with a focus on microcystin synthesis. *Proteome Science*, **2012**, 10, 38	2.6	12
201	Novel inhibitor cystine knot peptides from Momordica charantia. *PLoS ONE*, **2013**, 8, e75334	3.7	12
200	Proteomic evaluation of coffee zygotic embryos in two different stages of seed development. *Plant Physiology and Biochemistry*, **2009**, 47, 1046-50	5.4	12
199	Is There an Exercise-Intensity Threshold Capable of Avoiding the Leaky Gut?. *Frontiers in Nutrition*, **2021**, 8, 627289	6.2	12
198	Prediction of the impact of coding missense and nonsense single nucleotide polymorphisms on HD5 and HBD1 antibacterial activity against Escherichia coli. *Biopolymers*, **2016**, 106, 633-44	2.2	12
197	Host-defense peptides and their potential use as biomarkers in human diseases. *Drug Discovery Today*, **2018**, 23, 1666-1671	8.8	12
196	Differential accumulation of Xanthomonas campestris pv. campestris proteins during the interaction with the host plant: Contributions of an in vivo system. *Proteomics*, **2017**, 17, 1700086	4.8	11
195	Comparative NanoUPLC-MS analysis between magainin I-susceptible and -resistant Escherichia coli strains. *Scientific Reports*, **2017**, 7, 4197	4.9	11
194	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	3.3	11
193	Proteomic Analysis and Functional Validation of a Endochitinase Involved in Resistance to. *Frontiers in Plant Science*, **2019**, 10, 414	6.2	11
192	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	2	11
191	Effects of acute exercise over heart proteome from monogenic obese (ob/ob) mice. *Journal of Cellular Physiology*, **2013**, 228, 824-34	7	11
190	Assessment of maximal lactate steady state during treadmill exercise in SHR. *BMC Research Notes*, **2012**, 5, 661	2.3	11
189	Screening of antimicrobials from Caribbean sea animals and isolation of bactericidal proteins from the littoral mollusk Cenchritis muricatus. *Current Microbiology*, **2012**, 64, 501-5	2.4	11
188	Molecular modeling and inhibitory activity of cowpea cystatin against bean bruchid pests. *Proteins: Structure, Function and Bioinformatics*, **2006**, 63, 662-70	4.2	11
187	Insights into RNA transcriptome profiling of cardiac tissue in obesity and hypertension conditions. *Journal of Cellular Physiology*, **2015**, 230, 959-68	7	10
186	Strategies for recombinant production of antimicrobial peptides with pharmacological potential. *Expert Review of Clinical Pharmacology*, **2020**, 13, 367-390	3.8	10

185	A simple nanostructured impedimetric biosensor based on clavanin a peptide for bacterial detection. *Sensors and Actuators B: Chemical*, **2018**, 255, 3267-3274	8.5	10
184	Salivary function impairment in type 2 Diabetes patients associated with concentration and genetic polymorphisms of chromogranin A. *Clinical Oral Investigations*, **2016**, 20, 2083-2095	4.2	10
183	Peptides containing d -amino acids and retro-inverso peptides **2018**, 131-155		10
182	Investigating specific bacterial resistance to AMPs by using a magainin I-resistant Escherichia coli model. *Journal of Antibiotics*, **2014**, 67, 681-7	3.7	10
181	Nanoformulated antibiotics: the next step for pathogenic bacteria control. *Current Medicinal Chemistry*, **2013**, 20, 1232-40	4.3	10
180	A Novel Vasoactive Proline-Rich Oligopeptide from the Skin Secretion of the Frog Brachycephalus ephippium. *PLoS ONE*, **2015**, 10, e0145071	3.7	10
179	Snake Venom Proteins: Development into Antimicrobial and Wound Healing Agents. *Mini-Reviews in Organic Chemistry*, **2014**, 11, 4-14	1.7	10
178	High molecular mass proteomics analyses of left ventricle from rats subjected to differential swimming training. *BMC Physiology*, **2012**, 12, 11	0	10
177	Determination of the maximal lactate steady state in obese Zucker rats. *International Journal of Sports Medicine*, **2013**, 34, 214-7	3.6	10
176	Methodological evaluation of 2-DE to study root proteomics during nematode infection in cotton and coffee plants. *Preparative Biochemistry and Biotechnology*, **2010**, 40, 152-63	2.4	10
175	Screening and purification of a novel trypsin inhibitor from Prosopis juliflora seeds with activity toward pest digestive enzymes. *Protein and Peptide Letters*, **2005**, 12, 561-5	1.9	10
174	Cutting-Edge Search for Safer Opioid Pain Relief: Retrospective Review of Salvinorin A and Its Analogs. *Frontiers in Psychiatry*, **2019**, 10, 157	5	9
173	A Cerberus-Inspired Anti-Infective Multicomponent Gatekeeper Hydrogel against Infections with the Emerging "Superbug" Yeast Candida auris. *Macromolecular Bioscience*, **2020**, 20, e2000005	5.5	9
172	Proteomic changes in skeletal muscle of aged rats in response to resistance training. *Cell Biochemistry and Function*, **2020**, 38, 500-509	4.2	9
171	Elucidation of mechanisms of interaction of a multifunctional peptide Pa-MAP with lipid membranes. *Biochimica Et Biophysica Acta - Biomembranes*, **2014**, 1838, 2899-909	3.8	9
170	Antimicrobial and immunomodulatory activity of host defense peptides, clavanins and LL-37, in vitro: An endodontic perspective. *Peptides*, **2017**, 95, 16-24	3.8	9
169	Lentic water quality characterization using macroinvertebrates as bioindicators: An adapted BMWP index. *Ecological Indicators*, **2017**, 72, 53-66	5.8	9
168	Application of cutting-edge proteomics technologies for elucidating host-bacteria interactions. *Advances in Protein Chemistry and Structural Biology*, **2014**, 95, 1-24	5.3	9

167	Dentistry proteomics: from laboratory development to clinical practice. *Journal of Cellular Physiology*, **2013**, 228, 2271-84	7	9
166	Identification of a novel beta-N-acetylhexosaminidase (Pcb-NAHA1) from marine Zoanthid Palythoa caribaeorum (Cnidaria, Anthozoa, Zoanthidea). *Protein Expression and Purification*, **2008**, 58, 61-9	2	9
165	The divergent eukaryote Trichomonas vaginalis has an m7G cap methyltransferase capable of a single N2 methylation. *Nucleic Acids Research*, **2008**, 36, 6848-58	20.1	9
164	The Effects of Resistance Training Volume on Skeletal Muscle Proteome. *International Journal of Exercise Science*, **2017**, 10, 1051-1066	1.3	9
163	Mechanistic aspects of peptide-membrane interactions determined by optical, dielectric and piezoelectric techniques: an overview. *Current Protein and Peptide Science*, **2013**, 14, 543-55	2.8	9
162	Relationship between intestinal microbiota, diet and biological systems: an integrated view. *Critical Reviews in Food Science and Nutrition*, **2020**, 1-21	11.5	9
161	Purification and identification of a surfactin biosurfactant and engine oil degradation by Bacillus velezensis KLP2016. *Microbial Cell Factories*, **2021**, 20, 26	6.4	9
160	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	7.5	9
159	Impact and influence of "omics" technology on hyper tension studies. *International Journal of Cardiology*, **2017**, 228, 1022-1034	3.2	8
158	Controlling resistant bacteria with a novel class of β-lactamase inhibitor peptides: from rational design to in vivo analyses. *Scientific Reports*, **2014**, 4, 6015	4.9	8
157	An acidic model pro-peptide affects the secondary structure, membrane interactions and antimicrobial activity of a crotalicidin fragment. *Scientific Reports*, **2018**, 8, 11127	4.9	8
156	Comparative proteomical and metalloproteomical analyses of human plasma from patients with laryngeal cancer. *Cancer Immunology, Immunotherapy*, **2010**, 59, 173-81	7.4	8
155	Comparative proteomical analysis of zygotic embryo and endosperm from Coffea arabica seeds. *Journal of Agricultural and Food Chemistry*, **2008**, 56, 10922-6	5.7	8
154	Proregion of Acanthoscelides obtectus cysteine proteinase: a novel peptide with enhanced selectivity toward endogenous enzymes. *Peptides*, **2007**, 28, 1292-8	3.8	8
153	Molecular cloning of a cysteine proteinase cDNA from the cotton boll weevil Anthonomus grandis (Coleoptera: Curculionidae). *Bioscience, Biotechnology and Biochemistry*, **2004**, 68, 1235-42	2.1	8
152	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	3.7	8
151	Antibiofilm Peptides: Relevant Preclinical Animal Infection Models and Translational Potential. *ACS Pharmacology and Translational Science*, **2021**, 4, 55-73	5.9	8
150	Antimicrobial and proinflammatory effects of two vipericidins. *Cytokine*, **2018**, 111, 309-316	4	8

149	Nanofibers as drug-delivery systems for antimicrobial peptides. *Drug Discovery Today*, **2021**, 26, 2064-2074	8.8	8
148	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	2.3	7
147	Bacterial cross-resistance to anti-infective compounds. Is it a real problem?. *Current Opinion in Pharmacology*, **2019**, 48, 76-81	5.1	7
146	The effects of glucose concentrations associated with lipopolysaccharide and interferon-gamma stimulus on mediators production of RAW 264.7 cells. *Cytokine*, **2018**, 107, 18-25	4	7
145	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	2.3	7
144	Calcaneal Tendon Plasticity Following Gastrocnemius Muscle Injury in Rat. *Frontiers in Physiology*, **2019**, 10, 1098	4.6	7
143	Native and recombinant Pg-AMP1 show different antibacterial activity spectrum but similar folding behavior. *Peptides*, **2014**, 55, 92-7	3.8	7
142	Next-generation nanoantibacterial tools developed from peptides. *Nanomedicine*, **2015**, 10, 1643-61	5.6	7
141	Plant Cyclotides: An Unusual Protein Family with Multiple Functions **2012**, 333-344		7
140	Sequence variations of Env signal peptide alleles in different clinical stages of HIV infection. *Peptides*, **2011**, 32, 1800-6	3.8	7
139	Identification of an alpha-amylase inhibitor from Pterodon pubescens with ability to inhibit cowpea weevil digestive enzymes. *Journal of Agricultural and Food Chemistry*, **2007**, 55, 4382-7	5.7	7
138	Molecular and structural characterization of a trypsin highly expressed in larval stage of Zabrotes subfasciatus. *Archives of Insect Biochemistry and Physiology*, **2007**, 66, 169-82	2.3	7
137	Cloning and structural analysis of an Indian little millet (Panicum sumatrense) zein-like storage protein: implications for molecular assembly. *Biochemistry (Moscow)*, **2006**, 71, 1183-91	2.9	7
136	Pharmacological potential of exercise and RAS vasoactive peptides for prevention of diseases. *Current Protein and Peptide Science*, **2013**, 14, 459-71	2.8	7
135	Neuropeptide receptors as potential pharmacological targets for obesity. *Pharmacology & Therapeutics*, **2019**, 196, 59-78	13.9	7
134	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	1.4	7
133	Marine Organisms as a Rich Source of Biologically Active Peptides. *Frontiers in Marine Science*, **2021**, 8,	4.5	7
132	Anti-leukemia activity of semi-synthetic phenolic derivatives from Polygonum limbatum Meisn. *Chemistry Central Journal*, **2015**, 9, 40		6

131	Promising strategies for future treatment of biofilms. *Future Microbiology*, **2020**, 15, 63-79	2.9	6
130	Omics and the molecular exercise physiology. *Advances in Clinical Chemistry*, **2020**, 96, 55-84	5.8	6
129	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	1.7	6
128	NanoUPLC-MS(E) proteomic analysis of osteoclastogenesis downregulation by IL-4. *Journal of Proteomics*, **2016**, 131, 8-16	3.9	6
127	IDR-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	4.4	6
126	Plant Antifungal Peptides **2013**, 169-179		6
125	The use of MALDI-TOF-MS and in silico studies for determination of antimicrobial peptidesRaffinity to bacterial cells. *Journal of the American Society for Mass Spectrometry*, **2012**, 23, 1939-48	3.5	6
124	Comparative analyses of different surfactants on matrix-assisted laser desorption/ionization mass spectrometry peptide analysis. *European Journal of Mass Spectrometry*, **2010**, 16, 567-75	1.1	6
123	Heterologous production of peptides in plants: fusion proteins and beyond. *Current Protein and Peptide Science*, **2013**, 14, 568-79	2.8	6
122	Comparative transcriptome analyses of magainin I-susceptible and -resistant Escherichia coli strains. *Microbiology (United Kingdom)*, **2018**, 164, 1383-1393	2.9	6
121	HD5 and HBD1 variantsRsolvation potential energy correlates with their antibacterial activity against Escherichia coli. *Biopolymers*, **2016**, 106, 43-50	2.2	6
120	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	4.4	6
119	Antibiotic combinations for controlling colistin-resistant Enterobacter cloacae. *Journal of Antibiotics*, **2017**, 70, 122-129	3.7	5
118	Beneficial effects of resistance training on the protein profile of the calcaneal tendon during aging. *Experimental Gerontology*, **2017**, 100, 54-62	4.5	5
117	Structure-guided identification of antimicrobial peptides in the spathe transcriptome of the non-model plant, arum lily (Zantedeschia aethiopica). *Chemical Biology and Drug Design*, **2019**, 93, 1265-1275	2.9	5
116	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	3.9	5
115	Paternal Resistance Training Modulates Calcaneal Tendon Proteome in the Offspring Exposed to High-Fat Diet. *Frontiers in Cell and Developmental Biology*, **2020**, 8, 380	5.7	5
114	Cloning and characterization of novel cyclotides genes from South American plants. *Biopolymers*, **2016**, 106, 784-795	2.2	5

113	Effect of Moderate Exercise on Mitochondrial Proteome in Heart Tissue of Spontaneous Hypertensive Rats. *American Journal of Hypertension*, **2016**, 29, 696-704	2.3	5
112	The use of dual-energy X-ray absorptiometry in the evaluation of obesity in women with obstructive sleep apnea-hypopnea syndrome. *European Archives of Oto-Rhino-Laryngology*, **2013**, 270, 1539-45	3.5	5
111	Identification of a napin-like peptide from Eugenia malaccensis L. seeds with inhibitory activity toward Staphylococcus aureus and Salmonella Enteritidis. *Protein Journal*, **2014**, 33, 549-56	3.9	5
110	Purification and characterization of a liver-derived beta-N-Acetylhexosaminidase from marine mammal Sotalia fluviatilis. *Protein Journal*, **2010**, 29, 188-94	3.9	5
109	Production and biochemical characterization of insecticidal enzymes from Aspergillus fumigatus toward Callosobruchus maculatus. *Current Microbiology*, **2006**, 52, 430-4	2.4	5
108	Isolation of RNA from polysaccharide-rich seeds. *Preparative Biochemistry and Biotechnology*, **2007**, 37, 323-32	2.4	5
107	Evaluation of Multiple Functions of Polygonum Genus Compounds. *European Journal of Medicinal Plants*, **2015**, 6, 1-16	2	5
106	Advances on chemically modified antimicrobial peptides for generating peptide antibiotics. *Chemical Communications*, **2021**, 57, 11578-11590	5.8	5
105	EcDBS1R6: A novel cationic antimicrobial peptide derived from a signal peptide sequence. *Biochimica Et Biophysica Acta - General Subjects*, **2020**, 1864, 129633	4	5
104	Interactions of tetracyclines with milk allergenic protein (casein): a molecular and biological approach. *Journal of Biomolecular Structure and Dynamics*, **2020**, 38, 5389-5400	3.6	5
103	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	1.3	5
102	Computational Investigation of Growth Hormone Receptor Trp169Arg Heterozygous Mutation in a Child With Short Stature. *Journal of Cellular Biochemistry*, **2017**, 118, 4762-4771	4.7	4
101	A short peptide with selective anti-biofilm activity against Pseudomonas aeruginosa and Klebsiella pneumoniae carbapenemase-producing bacteria. *Microbial Pathogenesis*, **2019**, 135, 103605	3.8	4
100	Amphotericin B and anidulafungin directly interact with DNA and induce oxidative damage in the mammalian genome. *Molecular BioSystems*, **2015**, 11, 2551-9		4
99	Antimicrobial peptide selection from Lippia spp leaf transcriptomes. *Peptides*, **2020**, 129, 170317	3.8	4
98	Draft Genome Sequence of the Antimicrobial-Producing Strain Paenibacillus elgii AC13. *Genome Announcements*, **2018**, 6,		4
97	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	2.3	4
96	Trichomonas vaginalis: identification of a triacylglycerol acylhydrolase. *Experimental Parasitology*, **2005**, 111, 260-3	2.1	4

95	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, 583-7	1.9	4
94	Partial purification and characterization of ribonucleases from roots, stem and leaves of cowpea. *Brazilian Journal of Plant Physiology*, **2001**, 13, 357-364		4
93	Elucidating Unusual Modes of Action and Resistance of Antibacterial Peptides. *Current Topics in Medicinal Chemistry*, **2017**, 17, 520-536	3	4
92	Evaluation of the in vitro Antitumor Activity of Nanostructured Cyclotides in Polymers of Eudragit L 100-55 and RS 30 D. *Letters in Drug Design and Discovery*, **2019**, 16, 437-445	0.8	4
91	Development of Peptides that Inhibit Aminoglycoside-Modifying Enzymes and Lactamases for Control of Resistant Bacteria. *Current Protein and Peptide Science*, **2020**, 21, 1011-1026	2.8	4
90	Wasp venom peptide, synoeca-MP, from Synoeca surinama shows antimicrobial activity against human and animal pathogenic microorganisms. *Peptide Science*, **2020**, 112, e24141	3	4
89	Enterotoxigenicity and Antibiotic Resistance of Coagulase-Negative Staphylococci Isolated from Raw Buffalo and Cow Milk. *Microbial Drug Resistance*, **2020**, 26, 520-530	2.9	4
88	Adepamycin: design, synthesis and biological properties of a new peptide with antimicrobial properties. *Archives of Biochemistry and Biophysics*, **2020**, 691, 108487	4.1	4
87	Response to MacIntyre et 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 patients". *International Journal of Nursing Studies*, **2020**, 109, 103714	5.8	4
86	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	3.4	4
85	Identification, molecular characterization, and structural analysis of the bla gene/enzyme from NDM-1-producing Klebsiella pneumoniae isolates. *Journal of Antibiotics*, **2019**, 72, 155-163	3.7	4
84	Adevonin, a novel synthetic antimicrobial peptide designed from the Adenanthera pavonina trypsin inhibitor (ApTI) sequence. *Pathogens and Global Health*, **2018**, 112, 438-447	3.1	4
83	Synthetic antimicrobial peptides control Penicillium digitatum infection in orange fruits. *Food Research International*, **2021**, 147, 110582	7	4
82	Paternal Resistance Training Induced Modifications in the Left Ventricle Proteome Independent of Offspring Diet. *Oxidative Medicine and Cellular Longevity*, **2020**, 2020, 5603580	6.7	3
81	Physicochemical-guided design of cathelicidin-derived peptides generates membrane active variants with therapeutic potential. *Scientific Reports*, **2020**, 10, 9127	4.9	3
80	Development of a novel anti-biofilm peptide derived from profilin of. *Biofouling*, **2020**, 36, 516-527	3.3	3
79	Functionalization of nanostructures for antibiotic improvement: an interdisciplinary approach. *Therapeutic Delivery*, **2016**, 7, 761-771	3.8	3
78	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	2.8	3

77	Pseudomonas aeruginosa as a Powerful Biofilm Producer and Positive Action of Amikacin Against Isolates From Chronic Wounds. *Jundishapur Journal of Microbiology*, **2017**, 10,	1.2	3
76	Purified citritin in combination with vancomycin inhibits VRE in vitro and in vivo. *Microbiology (United Kingdom)*, **2017**, 163, 1525-1531	2.9	3
75	Echinocandins as Biotechnological Tools for Treating Infections. *Journal of Fungi (Basel, Switzerland)*, **2020**, 6,	5.6	3
74	IMPEDIMETRIC CLAVMO PEPTIDE-BASED SENSOR DIFFERENTIATES PLOIDY OF CANDIDA SPECIES. *Biochemical Engineering Journal*, **2021**, 167, 107918	4.2	3
73	Biotechnological applications of versatile plant lipid transfer proteins (LTPs). *Peptides*, **2021**, 140, 170531	3.8	3
72	Concentrated MTA Repair HP reduced biofilm and can cause reparative action at a distance. *International Endodontic Journal*, **2021**, 54, 1925-1936	5.4	3
71	Anxiolytic-like effect of a novel peptide isolated from the venom of the social wasp Synoeca surinama. *Toxicon*, **2016**, 122, 39-42	2.8	3
70	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	3.8	3
69	Fosfomycin and nitrofurantoin: classic antibiotics and perspectives. *Journal of Antibiotics*, **2021**, 74, 547-558	3.7	3
68	Validation of an in vitro system for studies of pathogenicity mechanisms in Xanthomonas campestris. *FEMS Microbiology Letters*, **2017**, 364,	2.9	2
67	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	3.4	2
66	Benchmarking analysis of deleterious SNP prediction tools on CYP2D6 enzyme. *Chemical Biology and Drug Design*, **2020**, 96, 984-994	2.9	2
65	Deciphering bioactive peptides and their action mechanisms through proteomics. *Expert Review of Proteomics*, **2016**, 13, 1007-1016	4.2	2
64	Genomic Comparison among Lethal Invasive Strains of Serotype M1. *Frontiers in Microbiology*, **2017**, 8, 1993	5.7	2
63	Toxicological and Histological Evaluation ofBothrops itapetiningaeVenom. *Journal of Herpetology*, **2012**, 46, 653-657	1.1	2
62	Trace element analysis of proteins directly from 2d-page: an efficient strategy for metalloproteomics. *Preparative Biochemistry and Biotechnology*, **2011**, 41, 236-42	2.4	2
61	Gene Microarray Analyses of Daboia russelli russelli Daboiatoxin Treatment of THP-1 Human Macrophages Infected with Burkholderia pseudomallei. *Current Molecular Medicine*, **2015**, 15, 961-74	2.5	2
60	Dissecting the relationship between antimicrobial peptides and mesenchymal stem cells. *Pharmacology & Therapeutics*, **2021**, 108021	13.9	2

59	A Wide Antimicrobial Peptides Search Method Using Fuzzy Modeling. *Lecture Notes in Computer Science*, **2009**, 147-150	0.9	2
58	Sense the Moment: a highly sensitive antimicrobial activity predictor based on hydrophobic moment		2
57	Elucidating Novel Bacterial Targets and Designing Unusual Antimicrobial Peptides: Two Faces of the Same Proteomic Coin. *Journal of Proteomics and Bioinformatics*,s8,	2.1	2
56	In silico characterization of class II plant defensins from Arabidopsis thaliana. *Phytochemistry*, **2020**, 179, 112511	4	2
55	EcDBS1R4, an Antimicrobial Peptide Effective against with In Vitro Fusogenic Ability. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	2
54	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	1.3	2
53	Advanced Therapies and Regulatory Framework in Different Areas of the Globe: Past, Present, and Future. *Clinical Therapeutics*, **2021**, 43, e103-e138	3.5	2
52	Do Bioactive Food Compound with L., L. and L. Supplementation with Lam. Have a Role against Nutritional Disorders? An Overview of the In Vitro and In Vivo Evidence. *Nutrients*, **2021**, 13,	6.7	2
51	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	2.7	2
50	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	2.2	2
49	Effects of endurance racing on horse plasma extracellular particle miRNA. *Equine Veterinary Journal* , **2021**, 53, 618-627	2.4	2
48	IL-4 absence triggers distinct pathways in apical periodontitis development. *Journal of Proteomics*, **2021**, 233, 104080	3.9	2
47	Polyalanine peptide variations may have different mechanisms of action against multidrug-resistant bacterial pathogens. *Journal of Antimicrobial Chemotherapy*, **2021**, 76, 1174-1186	5.1	2
46	Antimicrobial peptides used as growth promoters in livestock production. *Applied Microbiology and Biotechnology*, **2021**, 105, 7115-7121	5.7	2
45	Activity of synthetic peptides against Chlamydia. *Biopolymers*, **2017**, 108, e23032	2.2	1
44	Synergistic activity of chlorhexidine and synoeca-MP peptide against Pseudomonas aeruginosa. *Journal of Cellular Physiology*, **2019**, 234, 16068	7	1
43	Identification of natural peptides as a new class of antimalarial drugs by approaches. *Frontiers in Bioscience - Scholar*, **2017**, 9, 88-110	2.4	1
42	Recombinant Trypsin Inhibitor (ILTI) Production in Confirms Its Potential Anti-Biofilm Effect and Reveals an Anti-Tumoral Activity. *Microorganisms*, **2018**, 6,	4.9	1

41	Identification of a Novel 2S Albumin with Antitryptic Activity from Caryocar brasiliense Seeds. *Journal of Agricultural Science*, **2015**, 7,	1	1
40	Plant Antimicrobial Peptides: From Basic Structures to Applied Research **2011**, 139-155		1
39	Antibacterial Glycine-rich Peptide from Guava (Psidium guajava) Seeds **2011**, 577-584		1
38	CRISPR/Cas: The New Frontier in Plant Improvement. *ACS Agricultural Science and Technology*,		1
37	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	6.8	1
36	Sense the moment: A highly sensitive antimicrobial activity predictor based on hydrophobic moment.. *Biochimica Et Biophysica Acta - General Subjects*, **2021**, 1866, 130070	4	1
35	Enterococcus faecalis and Staphylococcus aureus stimulate nitric oxide production in macrophages and fibroblasts in vitro. *Brazilian Journal of Oral Sciences*,19, e207039	10	1
34	Cryptic Host Defense Peptides: Multifaceted Activity and Prospects for Medicinal Chemistry. *Current Topics in Medicinal Chemistry*, **2020**, 20, 1274-1290	3	1
33	Antibiofilm Activity of Acidic Phospholipase Isoform Isolated from Snake Venom. *Toxins*, **2020**, 12,	4.9	1
32	Antisense peptide nucleic acid inhibits the growth of KPC-producing Klebsiella pneumoniae strain. *Research in Microbiology*, **2021**, 172, 103837	4	1
31	The Effects of High-Protein Diet and Resistance Training on Glucose Control and Inflammatory Profile of Visceral Adipose Tissue in Rats. *Nutrients*, **2021**, 13,	6.7	1
30	CRISPR Genome Editing Technology: A Powerful Tool Applied to Developing Agribusiness. *Journal of Agricultural and Food Chemistry*, **2021**, 69, 6379-6395	5.7	1
29	Antifungal Peptides with Potential Against Pathogenic Fungi **2016**, 75-95		1
28	Dual Insecticidal Effects of Kunitz-Type Inhibitor on is Mediated by Digestive Enzymes Inhibition and Chitin-Binding Properties. *Molecules*, **2019**, 24,	4.8	1
27	Antimicrobial residues in animal products may induce Salmonella spp. resistance in humans. *Future Medicinal Chemistry*, **2018**,	4.1	1
26	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	3.4	1
25	Can metallic nanomaterials be green and sustainable?. *Current Opinion in Environmental Science and Health*, **2021**, 24, 100292	8.1	1
24	Silkworm pupae as a future food with nutritional and medicinal benefits. *Current Opinion in Food Science*, **2022**, 44, 100818	9.8	1

23	Peptidomimetics as Potential Anti-Virulence Drugs Against Resistant Bacterial Pathogens.. *Frontiers in Microbiology*, **2022**, 13, 831037	5.7	1
22	Antibacterial activity and synergism of the essential oil of Nectandra megapotamica (L.) flowers against OXA-23-producing Acinetobacter baumannii. *Journal of Essential Oil Research*, **2020**, 32, 260-268	2.3	0
21	Involvement of the gabaergic, serotonergic and glucocorticoid mechanism in the anxiolytic-like effect of mastoparan-L. *Neuropeptides*, **2020**, 81, 102027	3.3	0
20	Fusion of plectasin derivative NZ2114 with hydrophilic random coil polypeptide: Recombinant production in Pichia pastoris and antimicrobial activity against clinical strain MRSA. *Peptide Science*, **2017**, 110, e23034	3	0
19	Antibiofilm and immunomodulatory resorbable nanofibrous filing for dental pulp regenerative procedures.. *Bioactive Materials*, **2022**, 16, 173-186	16.7	0
18	Screening for cysteine-stabilized scaffolds for developing proteolytic-resistant AMPs.. *Methods in Enzymology*, **2022**, 663, 67-98	1.7	0
17	Nanostrategies to Develop Current Antiviral Vaccines.. *ACS Applied Bio Materials*, **2021**, 4, 3880-3890	4.1	0
16	Proteomic analysis of human dental pulp in different clinical diagnosis. *Clinical Oral Investigations*, **2021**, 25, 3285-3295	4.2	0
15	The use of host defense peptides in root canal therapy in rats. *Clinical Oral Investigations*, **2021**, 25, 3623-3632	4.2	0
14	Immunonutrition effects on coping with COVID-19. *Food and Function*, **2021**, 12, 7637-7650	6.1	0
13	Antimicrobial and immunomodulatory in vitro profile of double antibiotic paste. *International Endodontic Journal*, **2021**, 54, 1850-1860	5.4	0
12	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	4	0
11	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	4.6	0
10	MicroRNA levels in hemodialysis patients following resistance training: Associations with functional performance, inflammatory profile, sestrins-2, and nitric oxide.. *Experimental Gerontology*, **2022**, 162, 111761	4.5	0
9	Therapeutic Options for Treatment of Infections by Pathogenic Biofilms **2019**, 503-531		
8	Evidences for viral strain selection in late stages of HIV infection: an analysis of Vpu alleles. *Protein Journal*, **2012**, 31, 184-93	3.9	
7	Evaluation of nutritional and anti-nutritional compounds from tania (XanthosomaSchott) corms. *Nutrition and Food Science*, **2010**, 40, 419-428	1.5	
6	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	1.1	

5	Proteomic Analysis of Intra- and Extracellular Proteins of Aspergillus Niveus During Submerged Bioprocess Culturing Under Different pH Conditions. *Current Proteomics*, **2021**, 18, 563-574	0.7
4	Anti-inflammatory and antinociceptive activities of Rhipicephalus microplus saliva. *Asian Pacific Journal of Tropical Biomedicine*, **2018**, 8, 194	1.4
3	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	
2	Research in Exercise Science and Gut Microbiota: A Two-way Relationship **2021**, 308-308	
1	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	4