Octavio Franco

List of Publications by Year in Descending Order

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	Antibiofilm and immunomodulatory resorbable nanofibrous filing for dental pulp regenerative procedures.. *Bioactive Materials*, **2022**, 16, 173-186	16.7	0
435	Screening for cysteine-stabilized scaffolds for developing proteolytic-resistant AMPs.. *Methods in Enzymology*, **2022**, 663, 67-98	1.7	0
434	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
433	Silkworm pupae as a future food with nutritional and medicinal benefits. *Current Opinion in Food Science*, **2022**, 44, 100818	9.8	1
432	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
431	Peptidomimetics as Potential Anti-Virulence Drugs Against Resistant Bacterial Pathogens.. *Frontiers in Microbiology*, **2022**, 13, 831037	5.7	1
430	Sense the moment: A highly sensitive antimicrobial activity predictor based on hydrophobic moment.. *Biochimica Et Biophysica Acta - General Subjects*, **2021**, 1866, 130070	4	1
429	Advances on chemically modified antimicrobial peptides for generating peptide antibiotics. *Chemical Communications*, **2021**, 57, 11578-11590	5.8	5
428	Dissecting the relationship between antimicrobial peptides and mesenchymal stem cells. *Pharmacology & Therapeutics*, **2021**, 108021	13.9	2
427	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	
426	IMPEDIMETRIC CLAVMO PEPTIDE-BASED SENSOR DIFFERENTIATES PLOIDY OF CANDIDA SPECIES. *Biochemical Engineering Journal*, **2021**, 167, 107918	4.2	3
425	Is There an Exercise-Intensity Threshold Capable of Avoiding the Leaky Gut?. *Frontiers in Nutrition*, **2021**, 8, 627289	6.2	12
424	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
423	Nanostrategies to Develop Current Antiviral Vaccines.. *ACS Applied Bio Materials*, **2021**, 4, 3880-3890	4.1	0
422	Advanced Therapies and Regulatory Framework in Different Areas of the Globe: Past, Present, and Future. *Clinical Therapeutics*, **2021**, 43, e103-e138	3.5	2
421	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
420	Antisense peptide nucleic acid inhibits the growth of KPC-producing Klebsiella pneumoniae strain. *Research in Microbiology*, **2021**, 172, 103837	4	1

419	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
418	Biotechnological applications of versatile plant lipid transfer proteins (LTPs). *Peptides*, **2021**, 140, 170531	3.8	3
417	CRISPR Genome Editing Technology: A Powerful Tool Applied to Developing Agribusiness. *Journal of Agricultural and Food Chemistry*, **2021**, 69, 6379-6395	5.7	1
416	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
415	Concentrated MTA Repair HP reduced biofilm and can cause reparative action at a distance. *International Endodontic Journal*, **2021**, 54, 1925-1936	5.4	3
414	Effects of endurance racing on horse plasma extracellular particle miRNA. *Equine Veterinary Journal* , **2021**, 53, 618-627	2.4	2
413	Proteomic analysis of human dental pulp in different clinical diagnosis. *Clinical Oral Investigations*, **2021**, 25, 3285-3295	4.2	0
412	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
411	The use of host defense peptides in root canal therapy in rats. *Clinical Oral Investigations*, **2021**, 25, 3623-3632	4.2	0
410	IL-4 absence triggers distinct pathways in apical periodontitis development. *Journal of Proteomics*, **2021**, 233, 104080	3.9	2
409	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
408	Research in Exercise Science and Gut Microbiota: A Two-way Relationship **2021**, 308-308		
407	Immunonutrition effects on coping with COVID-19. *Food and Function*, **2021**, 12, 7637-7650	6.1	0
406	Purification and identification of a surfactin biosurfactant and engine oil degradation by Bacillus velezensis KLP2016. *Microbial Cell Factories*, **2021**, 20, 26	6.4	9
405	Antibiofilm Peptides: Relevant Preclinical Animal Infection Models and Translational Potential. *ACS Pharmacology and Translational Science*, **2021**, 4, 55-73	5.9	8
404	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
403	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
402	Synthetic Biology and Computer-Based Frameworks for Antimicrobial Peptide Discovery. *ACS Nano*, **2021**, 15, 2143-2164	16.7	14

401	Antimicrobial and immunomodulatory in vitro profile of double antibiotic paste. *International Endodontic Journal*, **2021**, 54, 1850-1860	5.4	0
400	Fosfomycin and nitrofurantoin: classic antibiotics and perspectives. *Journal of Antibiotics*, **2021**, 74, 547-558	3.7	3
399	Marine Organisms as a Rich Source of Biologically Active Peptides. *Frontiers in Marine Science*, **2021**, 8,	4.5	7
398	Nanofibers as drug-delivery systems for antimicrobial peptides. *Drug Discovery Today*, **2021**, 26, 2064-2074	8.8	8
397	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	
396	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
395	Antimicrobial peptides used as growth promoters in livestock production. *Applied Microbiology and Biotechnology*, **2021**, 105, 7115-7121	5.7	2
394	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
393	Synthetic antimicrobial peptides control Penicillium digitatum infection in orange fruits. *Food Research International*, **2021**, 147, 110582	7	4
392	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
391	Can metallic nanomaterials be green and sustainable?. *Current Opinion in Environmental Science and Health*, **2021**, 24, 100292	8.1	1
390	Strategies for recombinant production of antimicrobial peptides with pharmacological potential. *Expert Review of Clinical Pharmacology*, **2020**, 13, 367-390	3.8	10
389	Nanofibers as drug-delivery systems for infection control in dentistry. *Expert Opinion on Drug Delivery*, **2020**, 17, 919-930	8	14
388	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
387	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
386	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
385	Physicochemical-guided design of cathelicidin-derived peptides generates membrane active variants with therapeutic potential. *Scientific Reports*, **2020**, 10, 9127	4.9	3
384	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

383	Benchmarking analysis of deleterious SNP prediction tools on CYP2D6 enzyme. *Chemical Biology and Drug Design*, **2020**, 96, 984-994	2.9	2
382	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
381	Development of a novel anti-biofilm peptide derived from profilin of. *Biofouling*, **2020**, 36, 516-527	3.3	3
380	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
379	Involvement of the gabaergic, serotonergic and glucocorticoid mechanism in the anxiolytic-like effect of mastoparan-L. *Neuropeptides*, **2020**, 81, 102027	3.3	0
378	Promising strategies for future treatment of biofilms. *Future Microbiology*, **2020**, 15, 63-79	2.9	6
377	Proteomic changes in skeletal muscle of aged rats in response to resistance training. *Cell Biochemistry and Function*, **2020**, 38, 500-509	4.2	9
376	Omics and the molecular exercise physiology. *Advances in Clinical Chemistry*, **2020**, 96, 55-84	5.8	6
375	Antimicrobial peptide selection from Lippia spp leaf transcriptomes. *Peptides*, **2020**, 129, 170317	3.8	4
374	Cryptic Host Defense Peptides: Multifaceted Activity and Prospects for Medicinal Chemistry. *Current Topics in Medicinal Chemistry*, **2020**, 20, 1274-1290	3	1
373	Development of Peptides that Inhibit Aminoglycoside-Modifying Enzymes and β-Lactamases for Control of Resistant Bacteria. *Current Protein and Peptide Science*, **2020**, 21, 1011-1026	2.8	4
372	EcDBS1R6: A novel cationic antimicrobial peptide derived from a signal peptide sequence. *Biochimica Et Biophysica Acta - General Subjects*, **2020**, 1864, 129633	4	5
371	Wasp venom peptide, synoeca-MP, from Synoeca surinama shows antimicrobial activity against human and animal pathogenic microorganisms. *Peptide Science*, **2020**, 112, e24141	3	4
370	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
369	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
368	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
367	In silico characterization of class II plant defensins from Arabidopsis thaliana. *Phytochemistry*, **2020**, 179, 112511	4	2
366	Adepamycin: design, synthesis and biological properties of a new peptide with antimicrobial properties. *Archives of Biochemistry and Biophysics*, **2020**, 691, 108487	4.1	4

365	Response to RMacIntyre 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
364	EcDBS1R4, an Antimicrobial Peptide Effective against with In Vitro Fusogenic Ability. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	2
363	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
362	Relationship between intestinal microbiota, diet and biological systems: an integrated view. *Critical Reviews in Food Science and Nutrition*, **2020**, 1-21	11.5	9
361	Echinocandins as Biotechnological Tools for Treating Infections. *Journal of Fungi (Basel, Switzerland)*, **2020**, 6,	5.6	3
360	Antibiofilm Activity of Acidic Phospholipase Isoform Isolated from Snake Venom. *Toxins*, **2020**, 12,	4.9	1
359	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
358	Antimicrobial Peptides and Cell-Penetrating Peptides for Treating Intracellular Bacterial Infections. *Frontiers in Cellular and Infection Microbiology*, **2020**, 10, 612931	5.9	13
357	Bacterial Proteinaceous Compounds With Multiple Activities Toward Cancers and Microbial Infection. *Frontiers in Microbiology*, **2019**, 10, 1690	5.7	18
356	Antimicrobial and Antibiofilm Activities of Helical Antimicrobial Peptide Sequences Incorporating Metal-Binding Motifs. *Biochemistry*, **2019**, 58, 3802-3812	3.2	23
355	Bioactive Peptides Against Fungal Biofilms. *Frontiers in Microbiology*, **2019**, 10, 2169	5.7	31
354	Non-Lytic Antibacterial Peptides That Translocate Through Bacterial Membranes to Act on Intracellular Targets. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	33
353	Utilization of antimicrobial peptides, analogues and mimics in creating antimicrobial surfaces and bio-materials. *Biochemical Engineering Journal*, **2019**, 150, 107237	4.2	13
352	Bacterial cross-resistance to anti-infective compounds. Is it a real problem?. *Current Opinion in Pharmacology*, **2019**, 48, 76-81	5.1	7
351	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
350	Structural and Functional Analyses of Cone Snail Toxins. *Marine Drugs*, **2019**, 17,	6	12
349	Antiviral peptides as promising therapeutic drugs. *Cellular and Molecular Life Sciences*, **2019**, 76, 3525-3542	6.3	113
348	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

347	Short Cationic Peptide Derived from Archaea with Dual Antibacterial Properties and Anti-Infective Potential. *ACS Infectious Diseases*, **2019**, 5, 1081-1086	5.5	24
346	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
345	Cutting-Edge Search for Safer Opioid Pain Relief: Retrospective Review of Salvinorin A and Its Analogs. *Frontiers in Psychiatry*, **2019**, 10, 157	5	9
344	Selective antibacterial activity of the cationic peptide PaDBS1R6 against Gram-negative bacteria. *Biochimica Et Biophysica Acta - Biomembranes*, **2019**, 1861, 1375-1387	3.8	28
343	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
342	Proteomic Analysis and Functional Validation of a Endochitinase Involved in Resistance to. *Frontiers in Plant Science*, **2019**, 10, 414	6.2	11
341	Synergistic activity of chlorhexidine and synoeca-MP peptide against Pseudomonas aeruginosa. *Journal of Cellular Physiology*, **2019**, 234, 16068	7	1
340	Computer-Aided Design of Antimicrobial Peptides: Are We Generating Effective Drug Candidates?. *Frontiers in Microbiology*, **2019**, 10, 3097	5.7	60
339	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
338	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
337	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
336	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
335	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
334	Calcaneal Tendon Plasticity Following Gastrocnemius Muscle Injury in Rat. *Frontiers in Physiology*, **2019**, 10, 1098	4.6	7
333	Therapeutic Options for Treatment of Infections by Pathogenic Biofilms **2019**, 503-531		
332	Pharmaceutical applications of cyclotides. *Drug Discovery Today*, **2019**, 24, 2152-2161	8.8	14
331	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
330	Antimicrobial peptides from : a splendid immune defense response in silkworms.. *RSC Advances*, **2019**, 10, 512-523	3.7	18

329	Snake Venom Cathelicidins as Natural Antimicrobial Peptides. *Frontiers in Pharmacology*, **2019**, 10, 1415	5.6	17
328	Dual Insecticidal Effects of Kunitz-Type Inhibitor on is Mediated by Digestive Enzymes Inhibition and Chitin-Binding Properties. *Molecules*, **2019**, 24,	4.8	1
327	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
326	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
325	Neuropeptide receptors as potential pharmacological targets for obesity. *Pharmacology & Therapeutics*, **2019**, 196, 59-78	13.9	7
324	Antimicrobial magnetic nanoparticles based-therapies for controlling infectious diseases. *International Journal of Pharmaceutics*, **2019**, 555, 356-367	6.5	57
323	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
322	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
321	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
320	Review: Potential biotechnological assets related to plant immunity modulation applicable in engineering disease-resistant crops. *Plant Science*, **2018**, 270, 72-84	5.3	33
319	In silico optimization of a guava antimicrobial peptide enables combinatorial exploration for peptide design. *Nature Communications*, **2018**, 9, 1490	17.4	107
318	The effects of glucose concentrations associated with lipopolysaccharide and interferon-gamma stimulus on mediatorsRproduction of RAW 264.7 cells. *Cytokine*, **2018**, 107, 18-25	4	7
317	Designing improved active peptides for therapeutic approaches against infectious diseases. *Biotechnology Advances*, **2018**, 36, 415-429	17.8	91
316	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
315	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
314	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
313	Draft Genome Sequence of the Antimicrobial-Producing Strain Paenibacillus elgii AC13. *Genome Announcements*, **2018**, 6,		4
312	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

311	The role of antimicrobial peptides in plant immunity. *Journal of Experimental Botany*, **2018**, 69, 4997-5011	7	48
310	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
309	Peptides containing d -amino acids and retro-inverso peptides **2018**, 131-155		10
308	Antimicrobial Peptides and Nanotechnology, Recent Advances and Challenges. *Frontiers in Microbiology*, **2018**, 9, 855	5.7	102
307	Recombinant Trypsin Inhibitor (ILTI) Production in Confirms Its Potential Anti-Biofilm Effect and Reveals an Anti-Tumoral Activity. *Microorganisms*, **2018**, 6,	4.9	1
306	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
305	Breaking the frontiers of cosmetology with antimicrobial peptides. *Biotechnology Advances*, **2018**, 36, 2019-2031	17.8	15
304	The Complex Puzzle of Interactions Among Functional Food, Gut Microbiota, and Colorectal Cancer. *Frontiers in Oncology*, **2018**, 8, 325	5.3	12
303	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
302	Joker: An algorithm to insert patterns into sequences for designing antimicrobial peptides. *Biochimica Et Biophysica Acta - General Subjects*, **2018**, 1862, 2043-2052	4	33
301	Anti-inflammatory and antinociceptive activities of Rhipicephalus microplus saliva. *Asian Pacific Journal of Tropical Biomedicine*, **2018**, 8, 194	1.4	
300	Comparative transcriptome analyses of magainin I-susceptible and -resistant Escherichia coli strains. *Microbiology (United Kingdom)*, **2018**, 164, 1383-1393	2.9	6
299	Neuromicrobiology: How Microbes Influence the Brain. *ACS Chemical Neuroscience*, **2018**, 9, 141-150	5.7	30
298	A structural perspective of plant antimicrobial peptides. *Biochemical Journal*, **2018**, 475, 3359-3375	3.8	13
297	Antimicrobial residues in animal products may induce Salmonella spp. resistance in humans. *Future Medicinal Chemistry*, **2018**,	4.1	1
296	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
295	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
294	Antimicrobial and proinflammatory effects of two vipericidins. *Cytokine*, **2018**, 111, 309-316	4	8

293	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
292	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
291	Host-defense peptides and their potential use as biomarkers in human diseases. *Drug Discovery Today*, **2018**, 23, 1666-1671	8.8	12
290	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
289	The Effects of Acute and Chronic Exercise on Skeletal Muscle Proteome. *Journal of Cellular Physiology*, **2017**, 232, 257-269	7	35
288	Antibiotic combinations for controlling colistin-resistant Enterobacter cloacae. *Journal of Antibiotics*, **2017**, 70, 122-129	3.7	5
287	Linear antimicrobial peptides with activity against herpes simplex virus 1 and Aichi virus. *Biopolymers*, **2017**, 108, e22871	2.2	21
286	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
285	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
284	Animal venoms as antimicrobial agents. *Biochemical Pharmacology*, **2017**, 134, 127-138	6	57
283	Computational tools for exploring sequence databases as a resource for antimicrobial peptides. *Biotechnology Advances*, **2017**, 35, 337-349	17.8	71
282	Antimicrobial peptides: Role in human disease and potential as immunotherapies. *Pharmacology & Therapeutics*, **2017**, 178, 132-140	13.9	68
281	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
280	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
279	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
278	Comparative NanoUPLC-MS analysis between magainin I-susceptible and -resistant Escherichia coli strains. *Scientific Reports*, **2017**, 7, 4197	4.9	11
277	Activity of synthetic peptides against Chlamydia. *Biopolymers*, **2017**, 108, e23032	2.2	1
276	Antimicrobial activity predictors benchmarking analysis using shuffled and designed synthetic peptides. *Journal of Theoretical Biology*, **2017**, 426, 96-103	2.3	27

275	An Immunomodulatory Peptide Confers Protection in an Experimental Candidemia Murine Model. *Antimicrobial Agents and Chemotherapy*, **2017**, 61,	5.9	15
274	Novel boronic acid derivatives of bis(indolyl) methane as anti-MRSA agents. *Bioorganic and Medicinal Chemistry Letters*, **2017**, 27, 2135-2138	2.9	18
273	Impact and influence of "omics" technology on hyper tension studies. *International Journal of Cardiology*, **2017**, 228, 1022-1034	3.2	8
272	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
271	Validation of an in vitro system for studies of pathogenicity mechanisms in Xanthomonas campestris. *FEMS Microbiology Letters*, **2017**, 364,	2.9	2
270	Beneficial effects of resistance training on the protein profile of the calcaneal tendon during aging. *Experimental Gerontology*, **2017**, 100, 54-62	4.5	5
269	The rescue of botanical insecticides: A bioinspiration for new niches and needs. *Pesticide Biochemistry and Physiology*, **2017**, 143, 14-25	4.9	18
268	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
267	Identification of natural peptides as a new class of antimalarial drugs by approaches. *Frontiers in Bioscience - Scholar*, **2017**, 9, 88-110	2.4	1
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