

Cationic host defense (antimicrobial) peptides

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Peptide Antimicrobial Agents. <i>Clinical Microbiology Reviews</i> , 2006, 19, 491-511.	5.7	2,099
2	Antimicrobial Peptides Temporins B and L Induce Formation of Tubular Lipid Protrusions from Supported Phospholipid Bilayers. <i>Biophysical Journal</i> , 2006, 91, 4427-4439.	0.2	97
3	Novel dermaseptins from <i>Phyllomedusa hypochondrialis</i> (Amphibia). <i>Biochemical and Biophysical Research Communications</i> , 2006, 347, 739-746.	1.0	77
4	Antibacterial peptides for therapeutic use: obstacles and realistic outlook. <i>Current Opinion in Pharmacology</i> , 2006, 6, 468-472.	1.7	901
5	Differential expression and antibacterial activity of WFDC10A in the monkey epididymis. <i>Molecular and Cellular Endocrinology</i> , 2006, 259, 50-56.	1.6	2
6	<i>Bacillus anthracis</i> : interactions with the host and establishment of inhalational anthrax. <i>Future Microbiology</i> , 2006, 1, 397-415.	1.0	41
7	Novel Therapies Based on Cationic Antimicrobial Peptides. <i>Current Pharmaceutical Biotechnology</i> , 2006, 7, 229-234.	0.9	49
8	Anticancer α Helical Peptides and Structure / Function Relationships Underpinning Their Interactions with Tumour Cell Membranes. <i>Current Protein and Peptide Science</i> , 2006, 7, 487-499.	0.7	142
9	Host Defense Peptides and Lipopeptides: Modes of Action and Potential Candidates for the Treatment of Bacterial and Fungal Infections. <i>Current Protein and Peptide Science</i> , 2006, 7, 479-486.	0.7	72
10	The anti-microbial peptide LL-37 inhibits the activation of dendritic cells by TLR ligands. <i>International Immunology</i> , 2006, 18, 1729-1736.	1.8	112
11	Acyl-Substituted Dermaseptin S4 Derivatives with Improved Bactericidal Properties, Including on Oral Microflora. <i>Antimicrobial Agents and Chemotherapy</i> , 2006, 50, 4153-4160.	1.4	31
12	A Synergism between Temporins toward Gram-negative Bacteria Overcomes Resistance Imposed by the Lipopolysaccharide Protective Layer. <i>Journal of Biological Chemistry</i> , 2006, 281, 28565-28574.	1.6	112
13	Antiplasmodial Activity of Lauryl-Lysine Oligomers. <i>Antimicrobial Agents and Chemotherapy</i> , 2007, 51, 1753-1759.	1.4	38
14	Antimicrobial peptides derived from growth factors. <i>Growth Factors</i> , 2007, 25, 60-70.	0.5	71
15	Activities of Antimicrobial Peptides and Synergy with Enrofloxacin against <i>Mycoplasma pulmonis</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2007, 51, 468-474.	1.4	54
16	Expression and immunolocalisation of antimicrobial peptides within human palatine tonsils. <i>Journal of Laryngology and Otology</i> , 2007, 121, 973-978.	0.4	26
17	100 years of respiratory medicine: Pneumonia. <i>Respiratory Medicine</i> , 2007, 101, 875-881.	1.3	11
18	Neutrophils and intracellular pathogens: beyond phagocytosis and killing. <i>Trends in Microbiology</i> , 2007, 15, 87-92.	3.5	132

#	ARTICLE	IF	CITATIONS
20	The chicken host peptides, gallinacins 4, 7, and 9 have antimicrobial activity against Salmonella serovars. <i>Biochemical and Biophysical Research Communications</i> , 2007, 356, 169-174.	1.0	68
21	The effects of the BT/TAMUS 2032 cationic peptides on innate immunity and susceptibility of young chickens to extraintestinal <i>Salmonella enterica</i> serovar Enteritidis infection. <i>International Immunopharmacology</i> , 2007, 7, 912-919.	1.7	18
22	Complexities of targeting innate immunity to treat infection. <i>Trends in Immunology</i> , 2007, 28, 260-266.	2.9	91
23	How do invertebrates generate a highly specific innate immune response?. <i>Molecular Immunology</i> , 2007, 44, 3338-3344.	1.0	138
24	Role of Membrane Structure During Stress Signalling and Adaptation in <i>Pseudomonas</i> . , 2007, , 193-224.		13
25	<i>Pseudomonas</i> . , 2007, , .		9
26	Length Effects in Antimicrobial Peptides of the (RW) _n Series. <i>Antimicrobial Agents and Chemotherapy</i> , 2007, 51, 597-603.	1.4	167
27	Cathelicidin Antimicrobial Peptides Modulate Angiogenesis. , 2007, , 191-196.		2
28	Topography Studies on the Membrane Interaction Mechanism of the Eosinophil Cationic Protein. <i>Biochemistry</i> , 2007, 46, 720-733.	1.2	80
29	Mammalian antimicrobial proteins and peptides: overview on the RNase A superfamily members involved in innate host defence. <i>Molecular BioSystems</i> , 2007, 3, 317.	2.9	136
30	Composition Effect on Peptide Interaction with Lipids and Bacteria: Variants of C3a Peptide CNY21. <i>Biophysical Journal</i> , 2007, 92, 87-98.	0.2	47
31	Interactions of Cationic-Hydrophobic Peptides with Lipid Bilayers: A Monte Carlo Simulation Method. <i>Biophysical Journal</i> , 2007, 93, 1858-1871.	0.2	32
32	Zwitterionic Phospholipids and Sterols Modulate Antimicrobial Peptide-Induced Membrane Destabilization. <i>Biophysical Journal</i> , 2007, 93, 4289-4299.	0.2	139
33	Alternative mechanisms of action of cationic antimicrobial peptides on bacteria. <i>Expert Review of Anti-Infective Therapy</i> , 2007, 5, 951-959.	2.0	450
34	Heparan Sulfate Proteoglycan Involving Immunomodulation by Cathelicidin Antimicrobial Peptides LL-37 and PR-39. <i>Scientific World Journal</i> , The, 2007, 7, 1832-1838.	0.8	15
36	Tuning the Membrane Selectivity of Antimicrobial Peptides by Using Multivalent Design. <i>ChemBioChem</i> , 2007, 8, 2063-2065.	1.3	55
37	Peptidomics of Short Linear Cytolytic Peptides from Spider Venom. , 0, , 55-70.		0
38	The interactions of aurein 1.2 with cancer cell membranes. <i>Biophysical Chemistry</i> , 2007, 127, 78-83.	1.5	57

#	ARTICLE	IF	CITATIONS
39	In Vitro Discriminative Antipseudomonal Properties Resulting from Acyl Substitution of N-Terminal Sequence of Dermaseptin S4 Derivatives. <i>Chemistry and Biology</i> , 2007, 14, 75-85.	6.2	27
40	Biological characterization and modes of action of temporins and bombinins H, multiple forms of short and mildly cationic anti-microbial peptides from amphibian skin. <i>Journal of Peptide Science</i> , 2007, 13, 603-613.	0.8	49
41	Design and synthesis of cationic Aib-containing antimicrobial peptides: conformational and biological studies. <i>Journal of Peptide Science</i> , 2007, 13, 481-486.	0.8	45
42	Development, cytokine profile and function of human interleukin 17 α -producing helper T cells. <i>Nature Immunology</i> , 2007, 8, 950-957.	7.0	1,795
43	Role of the <i>Escherichia coli</i> SbmA in the antimicrobial activity of proline-rich peptides. <i>Molecular Microbiology</i> , 2007, 66, 151-163.	1.2	204
44	<i>Salmonella</i> sensing of anti-microbial mechanisms to promote survival within macrophages. <i>Immunological Reviews</i> , 2007, 219, 55-65.	2.8	70
45	Gomesin, a peptide produced by the spider <i>Acanthoscurria gomesiana</i> , is a potent anticryptococcal agent that acts in synergism with fluconazole. <i>FEMS Microbiology Letters</i> , 2007, 274, 279-286.	0.7	47
46	Histidine-rich glycoprotein exerts antibacterial activity. <i>FEBS Journal</i> , 2007, 274, 377-389.	2.2	83
47	The role of released ATP in killing <i>Candida albicans</i> and other extracellular microbial pathogens by cationic peptides. <i>Purinergic Signalling</i> , 2007, 3, 91-97.	1.1	41
48	Fluorescent Temporin B Derivative and its Binding to Liposomes. <i>Journal of Fluorescence</i> , 2007, 17, 223-234.	1.3	24
49	Antimicrobial peptides: natural templates for synthetic membrane-active compounds. <i>Cellular and Molecular Life Sciences</i> , 2008, 65, 2450-2460.	2.4	154
50	Skin Peptides: Biological Activity and Therapeutic Opportunities. <i>Journal of Pharmaceutical Sciences</i> , 2008, 97, 2524-2542.	1.6	36
51	Folding propensity and biological activity of peptides: The effect of a single stereochemical isomerization on the conformational properties of bombinins in aqueous solution. <i>Biopolymers</i> , 2008, 89, 769-778.	1.2	23
52	Production and characterization of a novel antimicrobial peptide HKABF by <i>Pichia pastoris</i> . <i>Process Biochemistry</i> , 2008, 43, 1124-1131.	1.8	15
53	Synthesis and antimicrobial activity of dermaseptin S1 analogues. <i>Bioorganic and Medicinal Chemistry</i> , 2008, 16, 8205-8209.	1.4	44
54	Antivirulence as a new antibacterial approach for chemotherapy. <i>Current Opinion in Chemical Biology</i> , 2008, 12, 400-408.	2.8	167
55	Host defence peptides—a bridge between the innate and adaptive immune responses. <i>Transactions of the Royal Society of Tropical Medicine and Hygiene</i> , 2008, 102, 3-4.	0.7	33
56	Binding of antimicrobial peptides like plantaricin A, temporin B, and LL-37 to model biomembranes and their mode of action. <i>Chemistry and Physics of Lipids</i> , 2008, 154, S29-S30.	1.5	2

#	ARTICLE	IF	CITATIONS
57	The antibacterial and antifungal properties of trappinâ€² (preâ€²elafin) do not depend on its protease inhibitory function. FEBS Journal, 2008, 275, 2008-2020.	2.2	89
58	Diversification and adaptive sequence evolution of Caenorhabditis lysozymes (Nematoda: Rhabditidae). BMC Evolutionary Biology, 2008, 8, 114.	3.2	67
59	Potential of Mean Force and p<i>K</i>_a Profile Calculation for a Lipid Membrane-Exposed Arginine Side Chain. Journal of Physical Chemistry B, 2008, 112, 9574-9587.	1.2	107
60	The host defence peptide LL-37/hCAP-18 is a growth factor for lung cancer cells. Lung Cancer, 2008, 59, 12-23.	0.9	138
61	Is Arginine Charged in a Membrane?. Biophysical Journal, 2008, 94, L11-L13.	0.2	81
62	Conformation and Membrane Orientation of Amphiphilic Helical Peptides by Oriented Circular Dichroism. Biophysical Journal, 2008, 95, 3872-3881.	0.2	109
63	Peptide-Based Drug Design. Methods in Molecular Biology, 2008, , .	0.4	25
64	Investigating the Mode of Action of Proline-Rich Antimicrobial Peptides Using a Genetic Approach: A Tool to Identify New Bacterial Targets Amenable to the Design of Novel Antibiotics. Methods in Molecular Biology, 2008, 494, 161-176.	0.4	14
65	Interaction of antibacterial peptides spanning the carboxy-terminal region of human Î²-defensins 1â€³ with phospholipids at the airâ€³water interface and inner membrane of E. coli. Peptides, 2008, 29, 7-14.	1.2	15
66	Toroidal pores formed by antimicrobial peptides show significant disorder. Biochimica Et Biophysica Acta - Biomembranes, 2008, 1778, 2308-2317.	1.4	434
67	Membrane curvature stress and antibacterial activity of lactoferricin derivatives. Biochemical and Biophysical Research Communications, 2008, 369, 395-400.	1.0	39
68	Identification, cloning and expression analysis of a hepcidin cDNA of the Atlantic cod (Gadus morhua) Tj ETQq1 1 0,784314 rgBT /Ove	1.6	87
69	High sequence variability of myticin transcripts in hemocytes of immune-stimulated mussels suggests ancient hostâ€³pathogen interactions. Developmental and Comparative Immunology, 2008, 32, 213-226.	1.0	83
70	Comparative analysis of selected methods for the assessment of antimicrobial and membrane-permeabilizing activity: a case study for lactoferricin derived peptides. BMC Microbiology, 2008, 8, 196.	1.3	40
71	Parameters Involved in Antimicrobial and Endotoxin Detoxification Activities of Antimicrobial Peptides. Biochemistry, 2008, 47, 6468-6478.	1.2	70
72	Synthesis of Bioinorganic Antimicrobial Peptide Nanoparticles with Potential Therapeutic Properties. Biomacromolecules, 2008, 9, 2487-2494.	2.6	48
73	Bioactive Natural Peptides. Studies in Natural Products Chemistry, 2008, 35, 597-691.	0.8	17
74	Synthesis, Conformational Analysis and Biological Studies of Cyclic Cationic Antimicrobial Peptides Containing Sugar Amino Acids. Journal of Organic Chemistry, 2008, 73, 8731-8744.	1.7	33

#	ARTICLE	IF	CITATIONS
75	Lipopolysaccharide, a Key Molecule Involved in the Synergism between Temporins in Inhibiting Bacterial Growth and in Endotoxin Neutralization. <i>Journal of Biological Chemistry</i> , 2008, 283, 22907-22917.	1.6	91
76	Veterinary vaccines: alternatives to antibiotics?. <i>Animal Health Research Reviews</i> , 2008, 9, 187-199.	1.4	39
77	Human Host Defense Peptide LL-37 Prevents Bacterial Biofilm Formation. <i>Infection and Immunity</i> , 2008, 76, 4176-4182.	1.0	551
78	Mucroporin, the First Cationic Host Defense Peptide from the Venom of <i>Lychas mucronatus</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2008, 52, 3967-3972.	1.4	84
79	Identification of 2 Hypothetical Genes Involved in <i>Neisseria meningitidis</i> Cathelicidin Resistance. <i>Journal of Infectious Diseases</i> , 2008, 197, 1124-1132.	1.9	17
80	Host Defense Peptides and the New Line of Defence Against Multiresistant Infections. <i>Protein and Peptide Letters</i> , 2008, 15, 238-243.	0.4	37
81	Chapter 15 Charged Protein Side Chain Movement in Lipid Bilayers Explored with Free Energy Simulation. <i>Current Topics in Membranes</i> , 2008, , 405-459.	0.5	2
82	The Antipathogen Activities of Eosinophil Cationic Protein. <i>Current Pharmaceutical Biotechnology</i> , 2008, 9, 141-152.	0.9	66
83	Biochemical and pharmacological study of venom of the wolf spider <i>Lycosa singoriensis</i> . <i>Journal of Venomous Animals and Toxins Including Tropical Diseases</i> , 2009, 15, 79-92.	0.8	16
84	Hatching time for monotreme immunology. <i>Australian Journal of Zoology</i> , 2009, 57, 185.	0.6	11
85	Dermaseptins and Magainins: Antimicrobial Peptides from Frogs' Skin—New Sources for a Promising Spermicides Microbicides—A Mini Review. <i>Journal of Biomedicine and Biotechnology</i> , 2009, 2009, 1-8.	3.0	76
86	Structure and Mode of Action of Microplusin, a Copper II-chelating Antimicrobial Peptide from the Cattle Tick <i>Rhipicephalus (Boophilus) microplus</i> . <i>Journal of Biological Chemistry</i> , 2009, 284, 34735-34746.	1.6	83
87	Structure-function relationship of the human antimicrobial peptide LL-37 and LL-37 fragments in the modulation of TLR responses. <i>Biological Chemistry</i> , 2009, 390, 295-303.	1.2	64
88	<i>Burkholderia cenocepacia</i> zinc metalloproteases influence resistance to antimicrobial peptides. <i>Microbiology (United Kingdom)</i> , 2009, 155, 2818-2825.	0.7	50
89	NF- κ B-Dependent Induction of Cathelicidin-Related Antimicrobial Peptide in Murine Mast Cells by Lipopolysaccharide. <i>International Archives of Allergy and Immunology</i> , 2009, 150, 122-132.	0.9	47
90	ECM-Based Materials in Cardiovascular Applications: Inherent Healing Potential and Augmentation of Native Regenerative Processes. <i>International Journal of Molecular Sciences</i> , 2009, 10, 4375-4417.	1.8	86
91	Host Defense Peptides as Effector Molecules of the Innate Immune Response: A Sledgehammer for Drug Resistance?. <i>International Journal of Molecular Sciences</i> , 2009, 10, 3951-3970.	1.8	87
92	Characterization of a <i>Campylobacter jejuni</i> VirK Protein Homolog as a Novel Virulence Determinant. <i>Infection and Immunity</i> , 2009, 77, 5428-5436.	1.0	19

#	ARTICLE	IF	CITATIONS
93	The Human Host Defense Peptide LL-37 Induces Apoptosis in a Calpain- and Apoptosis-Inducing Factor-Dependent Manner Involving Bax Activity. <i>Molecular Cancer Research</i> , 2009, 7, 689-702.	1.5	66
94	Imcroporin, a New Cationic Antimicrobial Peptide from the Venom of the Scorpion <i>Isometrus maculatus</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2009, 53, 3472-3477.	1.4	83
95	Potent and Broad-Spectrum Antimicrobial Activity of CXCL14 Suggests an Immediate Role in Skin Infections. <i>Journal of Immunology</i> , 2009, 182, 507-514.	0.4	82
96	Antifungal peptides secreted by filamentous fungi as promising new agents in human therapy. <i>Future Microbiology</i> , 2009, 4, 261-263.	1.0	2
97	Variations in Amino Acid Composition of Antisense Peptide-Phosphorodiamidate Morpholino Oligomer Affect Potency against <i>Escherichia coli</i> In Vitro and In Vivo. <i>Antimicrobial Agents and Chemotherapy</i> , 2009, 53, 525-530.	1.4	65
98	Human beta-defensin promotes wound healing in infected diabetic wounds. <i>Journal of Gene Medicine</i> , 2009, 11, 220-228.	1.4	136
99	Synthetic nonamer peptides derived from insect defensin mediate the killing of African trypanosomes in axenic culture. <i>Parasitology Research</i> , 2009, 105, 217-25.	0.6	8
100	Application of antimicrobial peptides in agriculture and food industry. <i>World Journal of Microbiology and Biotechnology</i> , 2009, 25, 933-944.	1.7	128
101	Design and characterization of novel hybrid peptides from LFB15(W4,10), HP(2-20), and cecropin A based on structure parameters by computer-aided method. <i>Applied Microbiology and Biotechnology</i> , 2009, 82, 1097-1103.	1.7	31
102	Different mechanisms of action of antimicrobial peptides: insights from fluorescence spectroscopy experiments and molecular dynamics simulations. <i>Journal of Peptide Science</i> , 2009, 15, 550-558.	0.8	85
103	Effect of Leucine and Lysine substitution on the antimicrobial activity and evaluation of the mechanism of the HPA3NT3 analog peptide. <i>Journal of Peptide Science</i> , 2009, 15, 589-594.	0.8	20
104	The pH sensitivity of histidine-containing lytic peptides. <i>Journal of Peptide Science</i> , 2009, 15, 790-795.	0.8	40
105	Molecular diversity of spider venom. <i>Biochemistry (Moscow)</i> , 2009, 74, 1505-1534.	0.7	145
106	Investigating the effects of positive charge and hydrophobicity on the cell selectivity, mechanism of action and anti-inflammatory activity of a Trp-rich antimicrobial peptide indolicidin. <i>FEMS Microbiology Letters</i> , 2009, 292, 134-140.	0.7	50
107	Role of acetylation and charge in antimicrobial peptides based on human beta-defensin. <i>Apmis</i> , 2009, 117, 492-499.	0.9	32
108	Esculentin(1-18) a membrane-active antimicrobial peptide that synergizes with antibiotics and modifies the expression level of a limited number of proteins in <i>Escherichia coli</i> . <i>FEBS Journal</i> , 2009, 276, 5647-5664.	2.2	49
109	Multifunctional host defense peptides: Antimicrobial peptides, the small yet big players in innate and adaptive immunity. <i>FEBS Journal</i> , 2009, 276, 6497-6508.	2.2	164
110	The affinity of two antimicrobial peptides derived from bovine milk proteins for model lipid membranes. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2009, 343, 104-110.	2.3	22

#	ARTICLE	IF	CITATIONS
111	Differential effects of α -helical and β -hairpin antimicrobial peptides against <i>Acanthamoeba castellanii</i> . <i>Parasitology</i> , 2009, 136, 813-821.	0.7	18
112	Genomic structure, expression pattern and functional characterization of crustinPm5, a unique isoform of crustin from <i>Penaeus monodon</i> . <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2009, 153, 244-252.	0.7	79
113	Control of cell selectivity of antimicrobial peptides. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2009, 1788, 1687-1692.	1.4	553
114	Interaction of an artificial antimicrobial peptide with lipid membranes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2009, 1788, 333-344.	1.4	59
115	Comparison of the membrane interaction mechanism of two antimicrobial RNases: RNase 3/ECP and RNase 7. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2009, 1788, 1116-1125.	1.4	67
116	Cell specificity, anti-inflammatory activity, and plausible bactericidal mechanism of designed Trp-rich model antimicrobial peptides. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2009, 1788, 1193-1203.	1.4	66
117	Membrane perturbation by the antimicrobial peptide PMAP-23: A fluorescence and molecular dynamics study. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2009, 1788, 1523-1533.	1.4	70
118	The role of antimicrobial peptides in cardiovascular physiology and disease. <i>Biochemical and Biophysical Research Communications</i> , 2009, 390, 363-367.	1.0	14
119	Leptoglycin: A new Glycine/Leucine-rich antimicrobial peptide isolated from the skin secretion of the South American frog <i>Leptodactylus pentadactylus</i> (Leptodactylidae). <i>Toxicon</i> , 2009, 54, 23-32.	0.8	54
120	The novel adjuvant combination of CpG ODN, indolicidin and polyphosphazene induces potent antibody- and cell-mediated immune responses in mice. <i>Vaccine</i> , 2009, 27, 2055-2064.	1.7	64
121	Strategies to link innate and adaptive immunity when designing vaccine adjuvants. <i>Veterinary Immunology and Immunopathology</i> , 2009, 128, 184-191.	0.5	30
122	Design of novel indolicidin-derived antimicrobial peptides with enhanced cell specificity and potent anti-inflammatory activity. <i>Peptides</i> , 2009, 30, 832-838.	1.2	53
123	Peptide antibiotics: An alternative and effective antimicrobial strategy to circumvent fungal infections. <i>Peptides</i> , 2009, 30, 999-1006.	1.2	58
124	Constructing bioactive peptides with pH-dependent activities. <i>Peptides</i> , 2009, 30, 1523-1528.	1.2	41
125	Pharmacodynamic activity of the lantibiotic MU1140. <i>International Journal of Antimicrobial Agents</i> , 2009, 33, 70-74.	1.1	62
126	Comprehensive proteomic analysis of human cervical-vaginal fluid using colposcopy samples. <i>Proteome Science</i> , 2009, 7, 17.	0.7	84
127	Structural and functional characterization of two genetically related meucin peptides highlights evolutionary divergence and convergence in antimicrobial peptides. <i>FASEB Journal</i> , 2009, 23, 1230-1245.	0.2	76
128	Bactericidal and membrane disruption activities of the eosinophil cationic protein are largely retained in an N-terminal fragment. <i>Biochemical Journal</i> , 2009, 421, 425-434.	1.7	77

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129	Antimicrobial peptides: to membranes and beyond. <i>Expert Opinion on Drug Discovery</i> , 2009, 4, 659-671.	2.5	80
130	Structure-Activity Relationships of Multifunctional Host Defence Peptides. <i>Mini-Reviews in Medicinal Chemistry</i> , 2010, 10, 596-614.	1.1	34
131	Correlation of Charge, Hydrophobicity, and Structure with Antimicrobial Activity of S1 and MIRIAM Peptides. <i>Biochemistry</i> , 2010, 49, 9161-9170.	1.2	29
132	Antimicrobial Peptides in the Brain. <i>Archivum Immunologiae Et Therapiae Experimentalis</i> , 2010, 58, 365-377.	1.0	20
133	Cationic Antimicrobial Peptides in Penaeid Shrimp. <i>Marine Biotechnology</i> , 2010, 12, 487-505.	1.1	87
134	Expression and Purification of an Antimicrobial Peptide by Fusion with Elastin-like Polypeptides in <i>Escherichia coli</i> . <i>Applied Biochemistry and Biotechnology</i> , 2010, 160, 2377-2387.	1.4	24
135	Parasiticidal activity of human α -defensin-5 against <i>Toxoplasma gondii</i> . <i>In Vitro Cellular and Developmental Biology - Animal</i> , 2010, 46, 560-565.	0.7	31
136	Unimolecular study of the interaction between the outer membrane protein OmpF from <i>E. coli</i> and an analogue of the HP(2 α) antimicrobial peptide. <i>Journal of Bioenergetics and Biomembranes</i> , 2010, 42, 173-180.	1.0	29
137	Antimicrobial peptide-like genes in <i>Nasonia vitripennis</i> : a genomic perspective. <i>BMC Genomics</i> , 2010, 11, 187.	1.2	59
138	Expression and functional analyses of liver expressed antimicrobial peptide-2 (LEAP-2) variant forms in human tissues. <i>Cellular Immunology</i> , 2010, 261, 128-133.	1.4	39
139	Structural and Functional Analysis of Human Liver-Expressed Antimicrobial Peptide 2. <i>ChemBioChem</i> , 2010, 11, 2148-2157.	1.3	48
140	Administration of nonviral gene vector encoding rat α -defensin α 2 ameliorates chronic <i>Pseudomonas aeruginosa</i> lung infection in rats. <i>Journal of Gene Medicine</i> , 2010, 12, 276-286.	1.4	16
141	Antimicrobial peptides on calcium phosphate-coated titanium for the prevention of implant-associated infections. <i>Biomaterials</i> , 2010, 31, 9519-9526.	5.7	305
142	The role of G protein-coupled receptors in mast cell activation by antimicrobial peptides: is there a connection?. <i>Immunology and Cell Biology</i> , 2010, 88, 632-640.	1.0	31
143	Surfactant Protein B Propeptide Contains a Saposin-Like Protein Domain with Antimicrobial Activity at Low pH. <i>Journal of Immunology</i> , 2010, 184, 975-983.	0.4	58
145	An Antimicrobial Peptide That Targets DNA Repair Intermediates <i>In Vitro</i> Inhibits <i>Salmonella</i> Growth within Murine Macrophages. <i>Antimicrobial Agents and Chemotherapy</i> , 2010, 54, 1888-1899.	1.4	30
146	Antimicrobial Peptides and Their Interactions with Model Membranes. <i>Behavior Research Methods</i> , 2010, , 147-165.	2.3	2
147	Defensins as anti-inflammatory compounds and mucosal adjuvants. <i>Future Microbiology</i> , 2010, 5, 99-113.	1.0	72

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148	Cationic phosphorodiamidate morpholino oligomers efficiently prevent growth of <i>Escherichia coli</i> in vitro and in vivo. <i>Journal of Antimicrobial Chemotherapy</i> , 2010, 65, 98-106.	1.3	42
149	Outer Membrane Protein I of <i>Pseudomonas aeruginosa</i> Is a Target of Cationic Antimicrobial Peptide/Protein. <i>Journal of Biological Chemistry</i> , 2010, 285, 8985-8994.	1.6	73
150	Ligand-Based Peptide Design and Combinatorial Peptide Libraries to Target G Protein-Coupled Receptors. <i>Current Pharmaceutical Design</i> , 2010, 16, 3071-3088.	0.9	90
151	Bioinformatics-Coupled Molecular Approaches for Unravelling Potential Antimicrobial Peptides Coding Genes in Brazilian Native and Crop Plant Species. <i>Current Protein and Peptide Science</i> , 2010, 11, 199-209.	0.7	14
152	Strategies for the Discovery and Advancement of Novel Cationic Antimicrobial Peptides. <i>Current Topics in Medicinal Chemistry</i> , 2010, 10, 1872-1881.	1.0	79
153	Antimicrobial Peptides: Primeval Molecules or Future Drugs?. <i>PLoS Pathogens</i> , 2010, 6, e1001067.	2.1	344
154	Chicken cathelicidin-2-derived peptides with enhanced immunomodulatory and antibacterial activities against biological warfare agents. <i>International Journal of Antimicrobial Agents</i> , 2010, 36, 271-274.	1.1	28
155	Membrane poration by antimicrobial peptides combining atomistic and coarse-grained descriptions. <i>Faraday Discussions</i> , 2010, 144, 431-443.	1.6	124
156	Structure, Interactions, and Antibacterial Activities of MSI-594 Derived Mutant Peptide MSI-594F5A in Lipopolysaccharide Micelles: Role of the Helical Hairpin Conformation in Outer-Membrane Permeabilization. <i>Journal of the American Chemical Society</i> , 2010, 132, 18417-18428.	6.6	104
157	Effect of the Hydrophobicity to Net Positive Charge Ratio on Antibacterial and Anti-Endotoxin Activities of Structurally Similar Antimicrobial Peptides. <i>Biochemistry</i> , 2010, 49, 853-861.	1.2	124
158	Membrane Interactions of Novicidin, a Novel Antimicrobial Peptide: Phosphatidylglycerol Promotes Bilayer Insertion. <i>Journal of Physical Chemistry B</i> , 2010, 114, 11053-11060.	1.2	25
159	Novel agents to inhibit microbial virulence and pathogenicity. <i>Expert Opinion on Therapeutic Patents</i> , 2010, 20, 1401-1418.	2.4	49
160	Detection of antimicrobial peptides related to piscidin 4 in important aquacultured fish. <i>Developmental and Comparative Immunology</i> , 2010, 34, 331-343.	1.0	63
161	Structure-function studies of chemokine-derived carboxy-terminal antimicrobial peptides. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2010, 1798, 1062-1072.	1.4	28
162	Antimicrobial peptides bind more strongly to membrane pores. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2010, 1798, 1494-1502.	1.4	78
163	Antimicrobial peptides in toroidal and cylindrical pores. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2010, 1798, 1485-1493.	1.4	125
164	Real-time quantitative analysis of lipid disordering by aurein 1.2 during membrane adsorption, destabilisation and lysis. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2010, 1798, 1977-1986.	1.4	74
165	Antifungal properties and mode of action of psacothasin, a novel knottin-type peptide derived from <i>Psacothea hilaris</i> . <i>Biochemical and Biophysical Research Communications</i> , 2010, 400, 352-357.	1.0	36

#	ARTICLE	IF	CITATIONS
166	Cloning and functional characterization of a new antimicrobial peptide gene StCT1 from the venom of the scorpion <i>Scorpiops tibetanus</i> . <i>Peptides</i> , 2010, 31, 22-26.	1.2	36
167	A novel triple adjuvant formulation promotes strong, Th1-biased immune responses and significant antigen retention at the site of injection. <i>Vaccine</i> , 2010, 28, 8288-8299.	1.7	18
168	LPS interactions with immobilized and soluble antimicrobial peptides. <i>Scandinavian Journal of Clinical and Laboratory Investigation</i> , 2010, 70, 194-200.	0.6	22
169	Antimicrobial Peptides in Toroidal and Cylindrical Pores. <i>Biophysical Journal</i> , 2010, 98, 281a.	0.2	1
171	The Corneal Expression of Antimicrobial Peptides during Experimental Fungal Keratitis. <i>Current Eye Research</i> , 2010, 35, 872-879.	0.7	20
172	Comprehensive characterization of secreted aspartic proteases encoded by a virulence gene family in <i>Candida albicans</i> . <i>Journal of Biochemistry</i> , 2011, 150, 431-438.	0.9	75
173	Killer peptide: a novel paradigm of antimicrobial, antiviral and immunomodulatory auto-delivering drugs. <i>Future Medicinal Chemistry</i> , 2011, 3, 1209-1231.	1.1	24
174	The Potential of Antimicrobial Peptides as Biocides. <i>International Journal of Molecular Sciences</i> , 2011, 12, 6566-6596.	1.8	140
175	C7 Anti-infective activity of immunomodulators. , 2011, , 411-435.		1
176	The Honeybee Antimicrobial Peptide Apidaecin Differentially Immunomodulates Human Macrophages, Monocytes and Dendritic Cells. <i>Journal of Innate Immunity</i> , 2011, 3, 614-622.	1.8	19
177	Molecular Mechanism of Action of β -Hairpin Antimicrobial Peptide Arenicin: Oligomeric Structure in Dodecylphosphocholine Micelles and Pore Formation in Planar Lipid Bilayers. <i>Biochemistry</i> , 2011, 50, 6255-6265.	1.2	78
178	Principles of Immunopharmacology. , 2011, , .		14
180	Effects of feeding rate on the expression of antimicrobial polypeptides and on susceptibility to <i>Ichthyophthirius multifiliis</i> in hybrid striped (sunshine) bass (<i>Morone saxatilis</i> \times <i>M. chrysops</i>). <i>Aquaculture</i> , 2011, 318, 109-121.	1.7	6
181	Application of antimicrobial polypeptide host defenses to aquaculture: Exploitation of downregulation and upregulation responses. <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2011, 6, 44-54.	0.4	62
182	Invertebrate immune diversity. <i>Developmental and Comparative Immunology</i> , 2011, 35, 959-974.	1.0	141
183	Molecular cloning, genomic organization and antibacterial activity of a second isoform of antilipopolysaccharide factor (ALF) from the mud crab, <i>Scylla paramamosain</i> . <i>Fish and Shellfish Immunology</i> , 2011, 30, 58-66.	1.6	45
184	Two novel antimicrobial peptides, arasin-likeSp and GRPSp, from the mud crab <i>Scylla paramamosain</i> , exhibit the activity against some crustacean pathogenic bacteria. <i>Fish and Shellfish Immunology</i> , 2011, 30, 706-712.	1.6	38
185	Mapping the eosinophil cationic protein antimicrobial activity by chemical and enzymatic cleavage. <i>Biochimie</i> , 2011, 93, 331-338.	1.3	24

#	ARTICLE	IF	CITATIONS
186	On the role of anionic lipids in charged protein interactions with membranes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2011, 1808, 1673-1683.	1.4	44
187	Protein chimeras containing the <i>Mycoplasma bovis</i> GAPDH protein and bovine host-defence peptides retain the properties of the individual components. <i>Microbial Pathogenesis</i> , 2011, 50, 269-277.	1.3	15
188	Differential expression of antimicrobial peptides in active and latent tuberculosis and its relationship with diabetes mellitus. <i>Human Immunology</i> , 2011, 72, 656-662.	1.2	65
189	Synthetic Mimics of Antimicrobial Peptides from Triaryl Scaffolds. <i>Journal of Medicinal Chemistry</i> , 2011, 54, 2241-2254.	2.9	49
190	Identification of a cysteine-rich antimicrobial peptide from salivary glands of the tick <i>Rhipicephalus haemaphysaloides</i> . <i>Peptides</i> , 2011, 32, 441-446.	1.2	15
191	Gingipains produced by <i>Porphyromonas gingivalis</i> ATCC49417 degrade human α -defensin 3 and affect peptide's antibacterial activity in vitro. <i>Peptides</i> , 2011, 32, 1073-1077.	1.2	57
192	Structure-activity relationships of a snake cathelicidin-related peptide, BF-15. <i>Peptides</i> , 2011, 32, 2497-2503.	1.2	54
193	Tolerance of Bacteriuria After Urinary Diversion Is Linked to Antimicrobial Peptide Activity. <i>Urology</i> , 2011, 77, 509.e1-509.e8.	0.5	14
194	Structure and antimicrobial properties of multivalent short peptides. <i>MedChemComm</i> , 2011, 2, 308.	3.5	34
195	Antibiotic activities of host defense peptides: more to it than lipid bilayer perturbation. <i>Natural Product Reports</i> , 2011, 28, 1350.	5.2	185
196	Towards the synthesis of sugar amino acid containing antimicrobial noncytotoxic CAP conjugates with gold nanoparticles and a mechanistic study of cell disruption. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 4806.	1.5	49
198	Ancient Antimicrobial Peptides Kill Antibiotic-Resistant Pathogens: Australian Mammals Provide New Options. <i>PLoS ONE</i> , 2011, 6, e24030.	1.1	72
199	Genomic Organization, Molecular Diversification, and Evolution of Antimicrobial Peptide Myticin-C Genes in the Mussel (<i>Mytilus galloprovincialis</i>). <i>PLoS ONE</i> , 2011, 6, e24041.	1.1	16
200	The Human Cathelicidin, LL-37, Induces Granzyme-mediated Apoptosis in Regulatory T Cells. <i>Journal of Immunotherapy</i> , 2011, 34, 229-235.	1.2	43
201	ANTI-infective Therapeutics from the Lepidopteran Model Host <i>Galleria mellonella</i> . <i>Current Pharmaceutical Design</i> , 2011, 17, 1240-1245.	0.9	49
202	Mammalian antimicrobial peptide influences control of cutaneous <i>Leishmania</i> infection. <i>Cellular Microbiology</i> , 2011, 13, 913-923.	1.1	40
203	Identification of a haemolysin-like peptide with antibacterial activity using the draft genome sequence of <i>Staphylococcus epidermidis</i> strain A487. <i>FEMS Immunology and Medical Microbiology</i> , 2011, 62, 273-282.	2.7	5
204	The human cathelicidin, LL-37, induces granzyme-mediated apoptosis in cytotoxic T lymphocytes. <i>Experimental Cell Research</i> , 2011, 317, 531-538.	1.2	27

#	ARTICLE	IF	CITATIONS
205	Marine organisms as a therapeutic source against herpes simplex virus infection. <i>European Journal of Pharmaceutical Sciences</i> , 2011, 44, 11-20.	1.9	66
206	Identification of histones as endogenous antibiotics in fish and quantification in rainbow trout (<i>Oncorhynchus mykiss</i>) skin and gill. <i>Fish Physiology and Biochemistry</i> , 2011, 37, 135-152.	0.9	19
207	Bactericidal Activity Identified in 2S Albumin from Sesame Seeds and In silico Studies of Structure-Function Relations. <i>Protein Journal</i> , 2011, 30, 340-350.	0.7	22
208	Cationic Antimicrobial Peptides in Penaeid Shrimp. <i>Marine Biotechnology</i> , 2011, 13, 639-657.	1.1	113
209	Gut microbiota as a candidate for lifespan extension: an ecological/evolutionary perspective targeted on living organisms as metaorganisms. <i>Biogerontology</i> , 2011, 12, 599-609.	2.0	64
210	Multifunctional cationic host defence peptides and their clinical applications. <i>Cellular and Molecular Life Sciences</i> , 2011, 68, 2161-2176.	2.4	517
211	Fluorescence spectroscopy and molecular dynamics simulations in studies on the mechanism of membrane destabilization by antimicrobial peptides. <i>Cellular and Molecular Life Sciences</i> , 2011, 68, 2281-2301.	2.4	57
212	Evaluation of the biocompatibility and mechanical properties of xenogeneic (porcine) extracellular matrix (ECM) scaffold for pelvic reconstruction. <i>International Urogynecology Journal</i> , 2011, 22, 221-227.	0.7	25
213	A chromatography-focused bioprocess that eliminates soluble aggregation for bioactive production of a new antimicrobial peptide candidate. <i>Journal of Chromatography A</i> , 2011, 1218, 3654-3659.	1.8	13
214	Bacterial membrane activity of α -peptide/ β -peptoid chimeras: Influence of amino acid composition and chain length on the activity against different bacterial strains. <i>BMC Microbiology</i> , 2011, 11, 144.	1.3	34
215	Cell selectivity and interaction with model membranes of Val/Arg-rich peptides. <i>Journal of Peptide Science</i> , 2011, 17, 520-526.	0.8	20
216	Evaluation of the <i>in vitro</i> Activity of Dermaseptin 01, a Cationic Antimicrobial Peptide, against <i>Schistosoma mansoni</i> . <i>Chemistry and Biodiversity</i> , 2011, 8, 548-558.	1.0	39
217	Influence of N-terminus modifications on the biological activity, membrane interaction, and secondary structure of the antimicrobial peptide hylin-1. <i>Biopolymers</i> , 2011, 96, 41-48.	1.2	59
218	Protein epitope mimetics as anti-infectives. <i>Current Opinion in Chemical Biology</i> , 2011, 15, 379-386.	2.8	28
219	Reduced Human Beta Defensin 3 in Individuals with Periodontal Disease. <i>Journal of Dental Research</i> , 2011, 90, 241-245.	2.5	44
220	Antiplasmodial Properties of Acyl-Lysyl Oligomers in Culture and Animal Models of Malaria. <i>Antimicrobial Agents and Chemotherapy</i> , 2011, 55, 3803-3811.	1.4	10
221	NMR Structures and Interactions of Temporin-1Tl and Temporin-1Tb with Lipopolysaccharide Micelles. <i>Journal of Biological Chemistry</i> , 2011, 286, 24394-24406.	1.6	84
222	Antimicrobial Peptides - Promising Alternatives to Conventional Antibiotics. <i>Journal of Molecular Microbiology and Biotechnology</i> , 2011, 20, 228-235.	1.0	154

#	ARTICLE	IF	CITATIONS
223	Underlying Mechanism of In vivo and In vitro Activity of C-terminal ϵ -amidated Thanatin Against Clinical Isolates of Extended-Spectrum β -lactamase ϵ -Producing Escherichia coli. Journal of Infectious Diseases, 2011, 203, 273-282.	1.9	34
224	An antimicrobial peptide is downregulated in the small intestine of Eimeria maxima-infected chickens. Poultry Science, 2011, 90, 1212-1219.	1.5	29
225	Disulfide-stabilized Helical Hairpin Structure and Activity of a Novel Antifungal Peptide EcAMP1 from Seeds of Barnyard Grass (Echinochloa crus-galli). Journal of Biological Chemistry, 2011, 286, 25145-25153.	1.6	86
226	In vivo effects of dietary (1 α ,3), (1 α ,4)- β -D-glucans from oat on mucosal immune responses in man and mice. Scandinavian Journal of Gastroenterology, 2011, 46, 603-610.	0.6	5
227	Antibacterial activity of the venom of Heterometrus xanthopus. Indian Journal of Pharmacology, 2012, 44, 509.	0.4	21
228	Snake Venom Phospholipases A2: A Novel Tool Against Bacterial Diseases. Current Medicinal Chemistry, 2012, 19, 6150-6162.	1.2	18
229	Identification and Design of Antimicrobial Peptides for Therapeutic Applications. Current Protein and Peptide Science, 2012, 13, 211-223.	0.7	43
230	Antimicrobial Action and Cell Agglutination by the Eosinophil Cationic Protein Are Modulated by the Cell Wall Lipopolysaccharide Structure. Antimicrobial Agents and Chemotherapy, 2012, 56, 2378-2385.	1.4	78
231	Structural perspectives on antimicrobial chemokines. Frontiers in Immunology, 2012, 3, 384.	2.2	35
232	Recent Advances in Computational Modeling of α -Helical Membrane-Active Peptides. Current Protein and Peptide Science, 2012, 13, 644-657.	0.7	19
233	Biochemical Property and In Vivo Efficacies of Novel Val/Arg-rich Antimicrobial Peptide. Protein and Peptide Letters, 2012, 19, 1144-1148.	0.4	7
234	Overview on the recent study of antimicrobial peptides: Origins, functions, relative mechanisms and application. Peptides, 2012, 37, 207-215.	1.2	373
235	Next generation of antimicrobial peptides as molecular targeted medicines. Journal of Bioscience and Bioengineering, 2012, 114, 365-370.	1.1	63
236	Outer Membrane Lipoprotein Lpp Is Gram-negative Bacterial Cell Surface Receptor for Cationic Antimicrobial Peptides*. Journal of Biological Chemistry, 2012, 287, 418-428.	1.6	50
237	Tuning the Activity of Mitochondria ϵ -Penetrating Peptides for Delivery or Disruption. ChemBioChem, 2012, 13, 476-485.	1.3	50
238	Milk-derived antimicrobial peptides to protect against Neonatal Diarrheal Disease: An alternative to antibiotics. Procedia in Vaccinology, 2012, 6, 21-32.	0.4	7
239	<i>In Vivo</i> Biodistribution and Small Animal PET of ^{64}Cu -Labeled Antimicrobial Peptoids. Bioconjugate Chemistry, 2012, 23, 1069-1079.	1.8	51
240	Toward the Selective Delivery of Chemotherapeutics into Tumor Cells by Targeting Peptide Transporters: Tailored Gold-Based Anticancer Peptidomimetics. Journal of Medicinal Chemistry, 2012, 55, 2212-2226.	2.9	56

#	ARTICLE	IF	CITATIONS
241	Parasiticidal activity of <i>Haemaphysalis longicornis</i> longicin P4 peptide against <i>Toxoplasma gondii</i> . <i>Peptides</i> , 2012, 34, 242-250.	1.2	30
242	Effects of the antimicrobial peptide cecropin AD on performance and intestinal health in weaned piglets challenged with <i>Escherichia coli</i> . <i>Peptides</i> , 2012, 35, 225-230.	1.2	131
243	Role of lipids in the interaction of antimicrobial peptides with membranes. <i>Progress in Lipid Research</i> , 2012, 51, 149-177.	5.3	555
244	BT cationic peptides: Small peptides that modulate innate immune responses of chicken heterophils and monocytes. <i>Veterinary Immunology and Immunopathology</i> , 2012, 145, 151-158.	0.5	14
245	Charge distribution and imperfect amphipathicity affect pore formation by antimicrobial peptides. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2012, 1818, 1274-1283.	1.4	99
246	Structure, activity and interactions of the cysteine deleted analog of tachyplesin-1 with lipopolysaccharide micelle: Mechanistic insights into outer-membrane permeabilization and endotoxin neutralization. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2012, 1818, 1613-1624.	1.4	53
247	Antimicrobial Host Defensins " Specific Antibiotic Activities and Innate Defense Modulation. <i>Frontiers in Immunology</i> , 2012, 3, 249.	2.2	46
248	Identification, synthesis and characterization of a novel antimicrobial peptide HKPLP derived from <i>Hippocampus kuda</i> Bleeker. <i>Journal of Antibiotics</i> , 2012, 65, 117-121.	1.0	23
249	Interaction of Antimicrobial Peptide Magainin 2 with Gangliosides as a Target for Human Cell Binding. <i>Biochemistry</i> , 2012, 51, 10229-10235.	1.2	30
250	Characterization of a chimeric antimicrobial peptide uncovers evolutionary significance of exon-shuffling. <i>Biochemical and Biophysical Research Communications</i> , 2012, 428, 360-364.	1.0	6
251	Determining the Mode of Action Involved in the Antimicrobial Activity of Synthetic Peptides: A Solid-State NMR and FTIR Study. <i>Biophysical Journal</i> , 2012, 103, 1470-1479.	0.2	21
252	Comparative genomics analysis of five families of antimicrobial peptide-like genes in seven ant species. <i>Developmental and Comparative Immunology</i> , 2012, 38, 262-274.	1.0	53
253	β 2-Hairpin protein epitope mimetic technology in drug discovery. <i>Drug Discovery Today: Technologies</i> , 2012, 9, e63-e69.	4.0	52
254	Rational design of gold(III)-dithiocarbamate peptidomimetics for the targeted anticancer chemotherapy. <i>Journal of Inorganic Biochemistry</i> , 2012, 117, 248-260.	1.5	33
256	<i>Insect Immunology</i> . , 2012, , 480-512.		7
257	Activity and selectivity of histidine-containing lytic peptides to antibiotic-resistant bacteria. <i>Archives of Microbiology</i> , 2012, 194, 769-778.	1.0	14
258	Antimicrobial Activity and Molecular Mechanism of the CRES Protein. <i>PLoS ONE</i> , 2012, 7, e48368.	1.1	16
259	Potent Inhibition of Late Stages of Hepadnavirus Replication by a Modified Cell Penetrating Peptide. <i>PLoS ONE</i> , 2012, 7, e48721.	1.1	12

#	ARTICLE	IF	CITATIONS
260	Antimicrobial peptides in the brain neuropeptides and amyloid. <i>Frontiers in Bioscience - Scholar</i> , 2012, S4, 1375-1380.	0.8	21
261	The lipid network. <i>Biophysical Reviews</i> , 2012, 4, 283-290.	1.5	8
262	Role of Hydrophobic Forces and Backbone Hydrogen Bonding on Helical Stability of Peptide Encapsulated Into Single Wall Carbon Nanotubes. <i>Journal of Computational and Theoretical Nanoscience</i> , 2012, 9, 783-788.	0.4	2
263	Antimicrobial peptide incorporated poly(2-hydroxyethyl methacrylate) hydrogels for the prevention of <i>Staphylococcus epidermidis</i> -associated biomaterial infections. <i>Journal of Biomedical Materials Research - Part A</i> , 2012, 100A, 1803-1814.	2.1	53
264	Host defense peptides: An alternative as antiinfective and immunomodulatory therapeutics. <i>Biopolymers</i> , 2012, 98, 251-267.	1.2	30
265	Invertebrate lysozymes: Diversity and distribution, molecular mechanism and in vivo function. <i>Journal of Biosciences</i> , 2012, 37, 327-348.	0.5	82
266	Concentration-dependent mechanisms of cell penetration and killing by the <i>de novo</i> designed antifungal hexapeptide PAF26. <i>Molecular Microbiology</i> , 2012, 85, 89-106.	1.2	56
267	The Effect of Antimicrobial Peptide Temporin-Ra on Cell Viability and Gene Expression of Pro-inflammatory Factors in A549 Cell Line. <i>International Journal of Peptide Research and Therapeutics</i> , 2013, 19, 373-380.	0.9	7
268	<i>Plant Defensin type 1</i> (<i>PDF1</i>): protein promiscuity and expression variation within the <i>Arabidopsis</i> genus shed light on zinc tolerance acquisition in <i>Arabidopsis halleri</i> . <i>New Phytologist</i> , 2013, 200, 820-833.	3.5	50
270	Prospects in Bioscience: Addressing the Issues. , 2013, , .		5
271	Antimicrobial Peptides and Innate Immunity. , 2013, , .		11
272	Mechanism of action of novel synthetic dodecapeptides against <i>Candida albicans</i> . <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2013, 1830, 5193-5203.	1.1	51
273	The Different Interactions of Lysine and Arginine Side Chains with Lipid Membranes. <i>Journal of Physical Chemistry B</i> , 2013, 117, 11906-11920.	1.2	245
274	Rational design of cationic antimicrobial peptides by the tandem of leucine-rich repeat. <i>Amino Acids</i> , 2013, 44, 1215-1224.	1.2	29
275	Effect of repetitive lysine-tryptophan motifs on the bactericidal activity of antimicrobial peptides. <i>Amino Acids</i> , 2013, 44, 645-660.	1.2	68
276	Host Defense Peptides: Immune Modulation and Antimicrobial Activity In Vivo. , 2013, , 321-358.		4
277	Protective Role of the Neuropeptide Urocortin II against Experimental Sepsis and Leishmaniasis by Direct Killing of Pathogens. <i>Journal of Immunology</i> , 2013, 191, 6040-6051.	0.4	17
278	A Current Perspective on Daptomycin for the Clinical Microbiologist. <i>Clinical Microbiology Reviews</i> , 2013, 26, 759-780.	5.7	201

#	ARTICLE	IF	CITATIONS
279	The antimicrobial lysine-peptoid hybrid LP5 inhibits DNA replication and induces the SOS response in <i>Staphylococcus aureus</i> . <i>BMC Microbiology</i> , 2013, 13, 192.	1.3	32
280	Interaction of cationic antimicrobial peptides with <i>Mycoplasma pulmonis</i> . <i>FEBS Letters</i> , 2013, 587, 3321-3326.	1.3	13
281	Non hemolytic short peptidomimetics as a new class of potent and broad-spectrum antimicrobial agents. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2013, 23, 4633-4636.	1.0	27
282	Antimicrobial activity and mechanism of action of a novel cationic α -helical octadecapeptide derived from heat shock protein 70 of rice. <i>Peptides</i> , 2013, 48, 147-155.	1.2	15
283	Antimicrobial peptide plasma concentrations in patients with community-acquired pneumonia. <i>Scandinavian Journal of Infectious Diseases</i> , 2013, 45, 432-437.	1.5	6
284	Crustin, a WAP domain containing antimicrobial peptide from freshwater prawn <i>Macrobrachium rosenbergii</i> : Immune characterization. <i>Fish and Shellfish Immunology</i> , 2013, 34, 109-118.	1.6	72
285	Multiscale Molecular Dynamics Simulations of Membrane Proteins. <i>Methods in Molecular Biology</i> , 2013, 924, 635-657.	0.4	16
286	Synthesis, Characterization, and Photoinduced Antibacterial Activity of Porphyrin-Type Photosensitizers Conjugated to the Antimicrobial Peptide Apidaecin 1b. <i>Journal of Medicinal Chemistry</i> , 2013, 56, 1052-1063.	2.9	97
287	Procambarin: A glycine-rich peptide found in the haemocytes of red swamp crayfish <i>Procambarus clarkii</i> and its response to white spot syndrome virus challenge. <i>Fish and Shellfish Immunology</i> , 2013, 35, 407-412.	1.6	9
288	Investigation of the antimicrobial effect of <i>Neosartorya fischeri</i> antifungal protein (NFAP) after heterologous expression in <i>Aspergillus nidulans</i> . <i>Microbiology (United Kingdom)</i> , 2013, 159, 411-419.	0.7	24
289	Esculentin(1-21), an amphibian skin membrane-active peptide with potent activity on both planktonic and biofilm cells of the bacterial pathogen <i>Pseudomonas aeruginosa</i> . <i>Cellular and Molecular Life Sciences</i> , 2013, 70, 2773-2786.	2.4	131
290	Mechanisms and Significance of Bacterial Resistance to Human Cationic Antimicrobial Peptides. , 2013, , 219-254.		5
291	Capsule and lipopolysaccharide. , 2013, , 533-556.		2
292	Antimicrobial activity and mechanism of action of a novel cationic α -helical dodecapeptide, a partial sequence of cyanate lyase from rice. <i>Peptides</i> , 2013, 42, 55-62.	1.2	20
293	Identification of a Novel Antimicrobial Peptide from Human Hepatitis B Virus Core Protein Arginine-Rich Domain (ARD). <i>PLoS Pathogens</i> , 2013, 9, e1003425.	2.1	42
294	Antimicrobial Peptides. <i>Pharmaceuticals</i> , 2013, 6, 1543-1575.	1.7	1,003
295	Genome-Wide Identification of Genes Conferring Energy Related Resistance to a Synthetic Antimicrobial Peptide (Bac8c). <i>PLoS ONE</i> , 2013, 8, e55052.	1.1	15
296	From Design to Screening: A New Antimicrobial Peptide Discovery Pipeline. <i>PLoS ONE</i> , 2013, 8, e59305.	1.1	26

#	ARTICLE	IF	CITATIONS
297	<i>FLO11</i> Gene Is Involved in the Interaction of Flor Strains of <i>Saccharomyces cerevisiae</i> with a Biofilm-Promoting Synthetic Hexapeptide. <i>Applied and Environmental Microbiology</i> , 2013, 79, 6023-6032.	1.4	14
298	Innate immune response to oral bacteria and the immune evasive characteristics of periodontal pathogens. <i>Journal of Periodontal and Implant Science</i> , 2013, 43, 3.	0.9	44
299	Two Functional Motifs Define the Interaction, Internalization and Toxicity of the Cell-Penetrating Antifungal Peptide PAF26 on Fungal Cells. <i>PLoS ONE</i> , 2013, 8, e54813.	1.1	38
300	Short Simple Linear Peptides Mimic Antimicrobial Complex Cyclodecapeptides Based on the Putative Pharmacophore. , 2013, 04, .		1
301	Gold(III)-Dithiocarbamate Peptidomimetics in the Forefront of the Targeted Anticancer Therapy: Preclinical Studies against Human Breast Neoplasia. <i>PLoS ONE</i> , 2014, 9, e84248.	1.1	42
302	Antimicrobial Properties and Membrane-Active Mechanism of a Potential α -Helical Antimicrobial Derived from Cathelicidin PMAP-36. <i>PLoS ONE</i> , 2014, 9, e86364.	1.1	140
303	Echinoderm Antimicrobial Peptides to Contrast Human Pathogens. <i>Natural Products Chemistry & Research</i> , 2014, 1, .	0.2	2
304	Investigation of the antimicrobial and hemolytic activity of venom of some Egyptian scorpion. <i>Journal of Microbiology and Antimicrobials</i> , 2014, 6, 21-28.	0.3	6
306	Proteomes of pathogenic <i>Escherichia coli/Shigella</i> group surveyed in their host environments. <i>Expert Review of Proteomics</i> , 2014, 11, 593-609.	1.3	10
307	Evolutionary tinkering of the expression of PDF1s suggests their joint effect on zinc tolerance and the response to pathogen attack. <i>Frontiers in Plant Science</i> , 2014, 5, 70.	1.7	25
308	Anti-lipopolysaccharide factor isoform 3 from <i>Penaeus monodon</i> (ALFPm3) exhibits antiviral activity by interacting with WSSV structural proteins. <i>Antiviral Research</i> , 2014, 110, 142-150.	1.9	52
309	Antimicrobial peptides from echinoderms as antibiofilm agents: a natural strategy to combat bacterial infections. <i>Italian Journal of Zoology</i> , 2014, 81, 312-321.	0.6	4
310	Plasmin digest of β -casein as a source of antibacterial peptides. <i>Journal of Dairy Research</i> , 2014, 81, 245-251.	0.7	10
311	β -Boomerang Antimicrobial and Antiendotoxic Peptides: Lipidation and Disulfide Bond Effects on Activity and Structure. <i>Pharmaceuticals</i> , 2014, 7, 482-501.	1.7	20
312	Lucifensins, the Insect Defensins of Biomedical Importance: The Story behind Maggot Therapy. <i>Pharmaceuticals</i> , 2014, 7, 251-264.	1.7	48
313	Defensin-based anti-infective strategies. <i>International Journal of Medical Microbiology</i> , 2014, 304, 93-99.	1.5	55
314	Two interdependent mechanisms of antimicrobial activity allow for efficient killing in nylon-3-based polymeric mimics of innate immunity peptides. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2014, 1838, 2269-2279.	1.4	30
315	Design and activity of novel lactoferrampin analogues against O157:H7 enterohemorrhagic <i>Escherichia coli</i> . <i>Biopolymers</i> , 2014, 101, 319-328.	1.2	16

#	ARTICLE	IF	CITATIONS
316	Possible mechanism of structural transformations induced by StAsp-PSI in lipid membranes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2014, 1838, 339-347.	1.4	16
317	¹⁹ F NMR screening of unrelated antimicrobial peptides shows that membrane interactions are largely governed by lipids. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2014, 1838, 2260-2268.	1.4	33
318	Immune regulatory activities of fowlicidin-1, a cathelicidin host defense peptide. <i>Molecular Immunology</i> , 2014, 59, 55-63.	1.0	43
319	Competitive interactions of amphipathic polycationic peptides and cationic fluorescent probes with lipid membrane: Experimental approaches and computational model. <i>Archives of Biochemistry and Biophysics</i> , 2014, 545, 167-178.	1.4	8
320	A simple, robust enzymatic-based high-throughput screening method for antimicrobial peptides discovery against <i>Escherichia coli</i> . <i>Journal of Peptide Science</i> , 2014, 20, 341-348.	0.8	2
321	Transgenic <i>Brassica juncea</i> Plants Expressing MsrA1, a Synthetic Cationic Antimicrobial Peptide, Exhibit Resistance to Fungal Phytopathogens. <i>Molecular Biotechnology</i> , 2014, 56, 535-545.	1.3	32
322	Interaction of protamine with gram-negative bacteria membranes: possible alternative mechanisms of internalization in <i>Escherichia coli</i> , <i>Salmonella typhimurium</i> and <i>Pseudomonas aeruginosa</i> . <i>Journal of Peptide Science</i> , 2014, 20, 240-250.	0.8	15
323	Effect of substituting arginine and lysine with alanine on antimicrobial activity and the mechanism of action of a cationic dodecapeptide (CL(14-25)), a partial sequence of cyanate lyase from rice. <i>Biopolymers</i> , 2014, 102, 58-68.	1.2	17
324	Investigation of the antibacterial activity of a short cationic peptide against multidrug-resistant <i>Klebsiella pneumoniae</i> and <i>Salmonella typhimurium</i> strains and its cytotoxicity on eukaryotic cells. <i>World Journal of Microbiology and Biotechnology</i> , 2014, 30, 1533-1540.	1.7	51
325	Stability Analysis of Antimicrobial Peptides in Solvation Conditions by Molecular Dynamics. <i>Advances in Intelligent Systems and Computing</i> , 2014, , 127-131.	0.5	0
326	Scorpion venom peptides with no disulfide bridges: A review. <i>Peptides</i> , 2014, 51, 35-45.	1.2	139
327	Dual stimulation with bacterial and viral components increases the expression of hepcidin in human monocytes. <i>FEMS Microbiology Letters</i> , 2014, 359, 161-165.	0.7	7
328	Molecular resolution visualization of a pore formed by trichogin, an antimicrobial peptide, in a phospholipid matrix. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2014, 1838, 3130-3136.	1.4	20
329	Antimicrobial potency and selectivity of simplified symmetric-end peptides. <i>Biomaterials</i> , 2014, 35, 8028-8039.	5.7	126
330	Caseins from bovine colostrum and milk strongly bind piscidin-1, an antimicrobial peptide from fish. <i>International Journal of Biological Macromolecules</i> , 2014, 70, 364-372.	3.6	2
331	interaction mechanisms with bacterial model membranes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2014, 1838, 2728-2738.	1.4	13
332	effects. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2014, 1838, 2739-2744.	1.4	10
333	Type I and type II crustins from <i>Penaeus monodon</i> , genetic variation and antimicrobial activity of the most abundant crustin Pm4. <i>Developmental and Comparative Immunology</i> , 2014, 47, 95-103.	1.0	35

#	ARTICLE	IF	CITATIONS
334	Design, characterization and expression of a novel hybrid peptides melittin (1â€“13)-LL37 (17â€“30). Molecular Biology Reports, 2014, 41, 4163-4169.	1.0	22
335	Derivatives of the Mouse Cathelicidin-Related Antimicrobial Peptide (CRAMP) Inhibit Fungal and Bacterial Biofilm Formation. Antimicrobial Agents and Chemotherapy, 2014, 58, 5395-5404.	1.4	55
336	SpALF4: A newly identified anti-lipopolysaccharide factor from the mud crab <i>Scylla paramamosain</i> with broad spectrum antimicrobial activity. Fish and Shellfish Immunology, 2014, 36, 172-180.	1.6	38
337	Tissue specificity and species superiority of cathelicidin gene expression in Chinese indigenous Min pigs. Livestock Science, 2014, 161, 36-40.	0.6	14
338	Discovery of Short Peptides Exhibiting High Potency against <i>Cryptococcus neoformans</i> . ACS Medicinal Chemistry Letters, 2014, 5, 315-320.	1.3	34
339	Antimicrobial Peptides and Their Analogs: Searching for New Potential Therapeutics. Perspectives in Medicinal Chemistry, 2014, 6, PMC.S13215.	4.6	39
340	Innate Immunity against Bacteria. , 2014, , 209-223.		1
341	Liposomes as a Drug Delivery System. , 2015, , 72-119.		0
342	Functional Roles of Aromatic Residues and Helices of Papiliocin in its Antimicrobial and Anti-inflammatory Activities. Scientific Reports, 2015, 5, 12048.	1.6	43
343	Effect of a mouthrinse containing rice peptide CL(14-25) on early dental plaque regrowth: a randomized crossover pilot study. BMC Research Notes, 2015, 8, 531.	0.6	6
344	Virtual screening of a milk peptide database for the identification of foodâ€“derived antimicrobial peptides. Molecular Nutrition and Food Research, 2015, 59, 2243-2254.	1.5	35
345	Antimicrobial benzodiazepine-based short cationic peptidomimetics. Journal of Peptide Science, 2015, 21, 512-519.	0.8	4
346	Optimized Expression and Characterization of Antimicrobial Peptides, <i>LPcin</i> Analogs. Bulletin of the Korean Chemical Society, 2015, 36, 1148-1154.	1.0	5
347	Naturally Occurring Peptides from <i>Rana temporaria</i> : Antimicrobial Properties and More. Current Topics in Medicinal Chemistry, 2015, 16, 54-64.	1.0	60
348	Antimicrobial Peptides as Mediators of Innate Immunity in Teleosts. Biology, 2015, 4, 607-639.	1.3	107
349	NKCS, a Mutant of the NK-2 Peptide, Causes Severe Distortions and Perforations in Bacterial, But Not Human Model Lipid Membranes. Molecules, 2015, 20, 6941-6958.	1.7	13
350	Immune-Relevant and Antioxidant Activities of Vitellogenin and Yolk Proteins in Fish. Nutrients, 2015, 7, 8818-8829.	1.7	85
351	Controlling Persister and Biofilm Cells of Gram-Negative Bacteria with a New 1,3,5-Triazine Derivative. Pharmaceuticals, 2015, 8, 696-710.	1.7	24

#	ARTICLE	IF	CITATIONS
352	Antimicrobial Peptides in Human Sepsis. <i>Frontiers in Immunology</i> , 2015, 6, 404.	2.2	85
353	The Synthetic Antimicrobial Peptide Pexiganan and Its Nanoparticles (PNPs) Exhibit the Anti- <i>Helicobacter pylori</i> Activity in Vitro and in Vivo. <i>Molecules</i> , 2015, 20, 3972-3985.	1.7	39
354	Activity of a novel-designed antimicrobial peptide and its interaction with lipids. <i>Journal of Peptide Science</i> , 2015, 21, 274-282.	0.8	5
355	The Mammary Gland in Mucosal and Regional Immunity. , 2015, , 2269-2306.		20
356	Structure-Activity Relationship and Mode of Action of a Frog Secreted Antibacterial Peptide B1CTcu5 Using Synthetically and Modularly Modified or Deleted (SMMD) Peptides. <i>PLoS ONE</i> , 2015, 10, e0124210.	1.1	27
357	Insights into the Antimicrobial Properties of Hecpirdins: Advantages and Drawbacks as Potential Therapeutic Agents. <i>Molecules</i> , 2015, 20, 6319-6341.	1.7	45
358	Conjugation of photosensitisers to antimicrobial peptides increases the efficiency of photodynamic therapy in cancer cells. <i>Photochemical and Photobiological Sciences</i> , 2015, 14, 1238-1250.	1.6	20
359	Tetrahydrofuran amino acid-containing gramicidin S analogues with improved biological profiles. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 6789-6802.	1.5	18
360	cDNA cloning and functional characterisation of four antimicrobial peptides from <i>Paa spinosa</i> . <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 2015, 70, 251-256.	0.6	4
361	Characterization of a novel anti-lipopolysaccharide factor isoform (SpALF5) in mud crab, <i>Scylla paramamosain</i> . <i>Molecular Immunology</i> , 2015, 64, 262-275.	1.0	30
363	Correlation between Membrane Partitioning and Functional Activity in a Single Lipid Vesicle Assay Establishes Design Guidelines for Antiviral Peptides. <i>Small</i> , 2015, 11, 2372-2379.	5.2	30
364	Antimicrobial activity and mechanism of action of a novel cationic α -helical octadecapeptide derived from α -amylase of rice. <i>Biopolymers</i> , 2015, 104, 73-83.	1.2	26
365	Testing the limits of rational design by engineering pH sensitivity into membrane-active peptides. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2015, 1848, 951-957.	1.4	27
366	A novel crustin from <i>Marsupenaeus japonicus</i> promotes hemocyte phagocytosis. <i>Developmental and Comparative Immunology</i> , 2015, 49, 313-322.	1.0	54
367	Understanding bacterial resistance to antimicrobial peptides: From the surface to deep inside. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2015, 1848, 3078-3088.	1.4	136
368	Nutritional effects of egg shell membrane supplements on chicken performance and immunity. <i>Poultry Science</i> , 2015, 94, 1184-1189.	1.5	10
369	The Antimicrobial and Antiviral Applications of Cell-Penetrating Peptides. <i>Methods in Molecular Biology</i> , 2015, 1324, 223-245.	0.4	34
370	d-Amino acids incorporation in the frog skin-derived peptide esculentin-1a(1-21)NH ₂ is beneficial for its multiple functions. <i>Amino Acids</i> , 2015, 47, 2505-2519.	1.2	70

#	ARTICLE	IF	CITATIONS
371	Identification of five anti-lipopolsaccharide factors in oriental river prawn, <i>Macrobrachium nipponense</i> . <i>Fish and Shellfish Immunology</i> , 2015, 46, 252-260.	1.6	20
372	Fighting microbial infections: A lesson from amphibian skin-derived esculentin-1 peptides. <i>Peptides</i> , 2015, 71, 286-295.	1.2	32
373	Inhalable spray-dried formulation of D-LAK antimicrobial peptides targeting tuberculosis. <i>International Journal of Pharmaceutics</i> , 2015, 491, 367-374.	2.6	37
374	Purification and Characterization of a Cysteine-Rich 14-kDa Antibacterial Peptide from the Granular Hemocytes of Mangrove Crab <i>Episesarma tetragonum</i> and Its Antibiofilm Activity. <i>Applied Biochemistry and Biotechnology</i> , 2015, 176, 1084-1101.	1.4	21
375	Therapeutic utility of antibacterial peptides in wound healing. <i>Expert Review of Anti-Infective Therapy</i> , 2015, 13, 871-881.	2.0	32
376	1,4-Dihydropyridine Cationic Peptidomimetics with Antibacterial Activity. <i>International Journal of Peptide Research and Therapeutics</i> , 2015, 21, 243-247.	0.9	8
377	On the in vivo significance of bacterial resistance to antimicrobial peptides. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2015, 1848, 3101-3111.	1.4	42
378	Insights from Micro-second Atomistic Simulations of Melittin in Thin Lipid Bilayers. <i>Journal of Membrane Biology</i> , 2015, 248, 497-503.	1.0	26
379	Universal cell capture by immobilized antimicrobial peptide plantaricin. <i>Biochemical Engineering Journal</i> , 2015, 101, 18-22.	1.8	4
380	Chicken Egg Shell Membrane Associated Proteins and Peptides. <i>Journal of Agricultural and Food Chemistry</i> , 2015, 63, 9888-9898.	2.4	45
381	Key Residues of Outer Membrane Protein OprI Involved in Hexamer Formation and Bacterial Susceptibility to Cationic Antimicrobial Peptides. <i>Antimicrobial Agents and Chemotherapy</i> , 2015, 59, 6210-6222.	1.4	8
382	Implicit Membrane Investigation of the Stability of Antimicrobial Peptide β -Barrels and Arcs. <i>Journal of Membrane Biology</i> , 2015, 248, 469-486.	1.0	25
383	Plasmin-digest of β -lactoglobulin with antibacterial properties. <i>Food and Agricultural Immunology</i> , 2015, 26, 218-230.	0.7	12
384	Esculentin-1a(1-21)NH ₂ : a frog skin-derived peptide for microbial keratitis. <i>Cellular and Molecular Life Sciences</i> , 2015, 72, 617-627.	2.4	53
385	Novel Hybrid Peptide Cecropin A (1-8)-LL37 (17-30) with Potential Antibacterial Activity. <i>International Journal of Molecular Sciences</i> , 2016, 17, 983.	1.8	39
386	The Immune System of Monotremes and Marsupials. , 2016, , 504-514.		0
387	Nanotechnology Formulations for Antibacterial Free Fatty Acids and Monoglycerides. <i>Molecules</i> , 2016, 21, 305.	1.7	88
388	The Spider Venom Peptide Lycosin-II Has Potent Antimicrobial Activity against Clinically Isolated Bacteria. <i>Toxins</i> , 2016, 8, 119.	1.5	29

#	ARTICLE	IF	CITATIONS
389	Two Novel Dermaseptin-Like Antimicrobial Peptides with Anticancer Activities from the Skin Secretion of <i>Pachymedusa dactylopsilum</i> . <i>Toxins</i> , 2016, 8, 144.	1.5	35
390	Antimicrobial Properties of an Immunomodulator - 15 kDa Human Granulysin. <i>PLoS ONE</i> , 2016, 11, e0156321.	1.1	28
391	Annotation of the Asian Citrus Psyllid Genome Reveals a Reduced Innate Immune System. <i>Frontiers in Physiology</i> , 2016, 7, 570.	1.3	62
392	Effect of alanine, leucine, and arginine substitution on antimicrobial activity against <i>Candida albicans</i> and action mechanism of a cationic octadecapeptide derived from α -amylase of rice. <i>Biopolymers</i> , 2016, 106, 219-229.	1.2	15
393	Expression, purification and initial characterization of a novel recombinant antimicrobial peptide Mytichitin-A in <i>Pichia pastoris</i> . <i>Protein Expression and Purification</i> , 2016, 127, 35-43.	0.6	36
394	Synthesis and biological activity of lipophilic analogs of the cationic antimicrobial active peptide anoplins. <i>Journal of Peptide Science</i> , 2016, 22, 731-736.	0.8	17
395	Helical 1:1 α /Sulfono- β -AA Heterogeneous Peptides with Antibacterial Activity. <i>Biomacromolecules</i> , 2016, 17, 1854-1859.	2.6	28
396	Amyl-18, a cationic α -helical antimicrobial octadecapeptide derived from α -amylase in rice, inhibits the translation and folding processes in a protein synthesis system. <i>Journal of Bioscience and Bioengineering</i> , 2016, 122, 385-392.	1.1	8
397	Antimicrobial peptides as novel anti-tuberculosis therapeutics. <i>Biotechnology Advances</i> , 2016, 34, 924-940.	6.0	66
398	Insights from Microsecond Atomistic Simulations of Melittin in thin Lipid Bilayers. <i>Biophysical Journal</i> , 2016, 110, 76a.	0.2	0
399	Inhibitory effects of a novel cationic dodecapeptide [CL(14-25)] derived from cyanate lyase of rice on endotoxic activities of LPSs from <i>Escherichia coli</i> and periodontopathic <i>Aggregatibacter actinomycetemcomitans</i> . <i>Microbial Pathogenesis</i> , 2016, 94, 2-11.	1.3	9
400	Recent progresses of simulations on passive membrane permeations in China. <i>Molecular Simulation</i> , 2016, 42, 799-808.	0.9	1
401	Differential induction of innate defense antimicrobial peptides in primary nasal epithelial cells upon stimulation with inflammatory cytokines, Th17 cytokines or bacterial conditioned medium from <i>Staphylococcus aureus</i> isolates. <i>Microbial Pathogenesis</i> , 2016, 90, 69-77.	1.3	10
402	The oncolytic peptide LTX-315 overcomes resistance of cancers to immunotherapy with CTLA4 checkpoint blockade. <i>Cell Death and Differentiation</i> , 2016, 23, 1004-1015.	5.0	62
403	Bacterial strategies of resistance to antimicrobial peptides. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2016, 371, 20150292.	1.8	264
404	Echinoderm Antimicrobial Peptides. , 2016, , 159-176.		2
405	Diversity, evolution and medical applications of insect antimicrobial peptides. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2016, 371, 20150290.	1.8	188
406	Antimicrobial activity against <i>Porphyromonas gingivalis</i> and mechanism of action of the cationic octadecapeptide Amyl-1-18 and its amino acid-substituted analogs. <i>Journal of Bioscience and Bioengineering</i> , 2016, 122, 652-659.	1.1	14

#	ARTICLE	IF	CITATIONS
407	Small Antimicrobial Agents Based on Acylated Reduced Amide Scaffold. <i>Journal of Medicinal Chemistry</i> , 2016, 59, 7877-7887.	2.9	52
408	Computational and Experimental Investigation of the Antimicrobial Peptide Cecropin XJ and its Ligands as the Impact Factors of Antibacterial Activity. <i>Food Biophysics</i> , 2016, 11, 319-331.	1.4	2
409	Small gold nanocomposites obtained in reverse micelles as nanoreactors. Effect of surfactant, optical properties and activity against <i>Pseudomonas aeruginosa</i> . <i>New Journal of Chemistry</i> , 2016, 40, 10432-10439.	1.4	9
410	The protection effect of LEAP-2 on the mudskipper (<i>Boleophthalmus pectinirostris</i>) against <i>Edwardsiella tarda</i> infection is associated with its immunomodulatory activity on monocytes/macrophages. <i>Fish and Shellfish Immunology</i> , 2016, 59, 66-76.	1.6	29
411	Cathelicidins in the Tasmanian devil (<i>Sarcophilus harrisii</i>). <i>Scientific Reports</i> , 2016, 6, 35019.	1.6	27
412	Antibacterial activity identification of pCM19 and pCM12 derived from hGlyrichin. <i>SpringerPlus</i> , 2016, 5, 1382.	1.2	1
413	Peptides as a New Class of Peptidomimetics. <i>Chemistry - A European Journal</i> , 2016, 22, 5458-5466.	1.7	52
414	Influence of saliva on the oral microbiota. <i>Periodontology 2000</i> , 2016, 70, 80-92.	6.3	208
415	CXCL14 as an emerging immune and inflammatory modulator. <i>Journal of Inflammation</i> , 2016, 13, 1.	1.5	150
416	Imaging and therapeutic applications of zinc(II)-dipicolylamine molecular probes for anionic biomembranes. <i>Chemical Communications</i> , 2016, 52, 8787-8801.	2.2	60
417	The proteome targets of intracellular targeting antimicrobial peptides. <i>Proteomics</i> , 2016, 16, 1225-1237.	1.3	72
418	Royal Jelly: An ancient remedy with remarkable antibacterial properties. <i>Microbiological Research</i> , 2016, 192, 130-141.	2.5	178
419	Development of an anti-microbial peptide-mediated liposomal delivery system: a novel approach towards pH-responsive anti-microbial peptides. <i>Drug Delivery</i> , 2016, 23, 1163-1170.	2.5	18
420	Systematic Review: Insight into Antimalarial Peptide. <i>International Journal of Peptide Research and Therapeutics</i> , 2016, 22, 325-340.	0.9	9
421	Recombinant plectasin elicits similar improvements in the performance and intestinal mucosa growth and activity in weaned pigs as an antibiotic. <i>Animal Feed Science and Technology</i> , 2016, 211, 216-226.	1.1	35
422	A novel short anionic antibacterial peptide isolated from the skin of <i>Xenopus laevis</i> with broad antibacterial activity and inhibitory activity against breast cancer cell. <i>Archives of Microbiology</i> , 2016, 198, 473-482.	1.0	25
423	Antibacterial Peptide Nucleic Acid-Antimicrobial Peptide (PNA-AMP) Conjugates: Antisense Targeting of Fatty Acid Biosynthesis. <i>Bioconjugate Chemistry</i> , 2016, 27, 863-867.	1.8	64
424	Endotoxin-neutralizing activity and mechanism of action of a cationic α -helical antimicrobial octadecapeptide derived from α -amylase of rice. <i>Peptides</i> , 2016, 75, 101-108.	1.2	17

#	ARTICLE	IF	CITATIONS
425	Isolation and identification of some antibacterial peptides in the plasmin-digest of \hat{I}^2 -casein. <i>LWT - Food Science and Technology</i> , 2016, 68, 217-225.	2.5	29
426	Designing potent antimicrobial peptides by disulphide linked dimerization and N-terminal lipidation to increase antimicrobial activity and membrane perturbation: Structural insights into lipopolysaccharide binding. <i>Journal of Colloid and Interface Science</i> , 2016, 461, 335-345.	5.0	41
427	Characterisation of a novel Type I crustin involved in antibacterial and antifungal responses in the red claw crayfish, <i>Cherax quadricarinatus</i> . <i>Fish and Shellfish Immunology</i> , 2016, 48, 30-38.	1.6	32
428	Pyrrhocoricin, a proline-rich antimicrobial peptide derived from insect, inhibits the translation process in the cell-free <i>Escherichia coli</i> protein synthesis system. <i>Journal of Bioscience and Bioengineering</i> , 2016, 121, 591-598.	1.1	43
429	Polyvinyl alcohol nanofiber formulation of the designer antimicrobial peptide APO sterilizes <i>Acinetobacter baumannii</i> -infected skin wounds in mice. <i>Amino Acids</i> , 2016, 48, 203-211.	1.2	42
430	Milk Derived Antimicrobial Bioactive Peptides: A Review. <i>International Journal of Food Properties</i> , 2016, 19, 837-846.	1.3	119
431	Characterization and production of multifunctional cationic peptides derived from rice proteins. <i>Bioscience, Biotechnology and Biochemistry</i> , 2017, 81, 634-650.	0.6	13
432	Comparison of patient-derived high and low phosphatidylserine-exposing colorectal carcinoma cells in their interaction with anti-cancer peptides. <i>Journal of Peptide Science</i> , 2017, 23, 56-67.	0.8	4
433	Novel human bioactive peptides identified in Apolipoprotein B: Evaluation of their therapeutic potential. <i>Biochemical Pharmacology</i> , 2017, 130, 34-50.	2.0	64
434	Antimicrobial Peptide from <i>Bacillus</i> Strain K1R Exhibits Ameliorative Potential Against Vancomycin-Resistant <i>Enterococcus</i> Group of Organisms. <i>International Journal of Peptide Research and Therapeutics</i> , 2017, 23, 419-430.	0.9	2
435	Insects, arachnids and centipedes venom: A powerful weapon against bacteria. A literature review. <i>Toxicon</i> , 2017, 130, 91-103.	0.8	45
436	Structural and Dynamic Insights into a Glycine-Mediated Short Analogue of a Designed Peptide in Lipopolysaccharide Micelles: Correlation Between Compact Structure and Anti-Endotoxin Activity. <i>Biochemistry</i> , 2017, 56, 1348-1362.	1.2	15
437	Antimicrobial effects of novel peptides cOT2 and sOT2 derived from <i>Crocodylus siamensis</i> and <i>Pelodiscus sinensis</i> ovotransferrins. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2017, 1859, 860-869.	1.4	12
438	Effects of arginine and leucine substitutions on anti- ϵ -endotoxin activities and mechanisms of action of cationic and amphipathic antimicrobial octadecapeptide from rice α -amylase. <i>Journal of Peptide Science</i> , 2017, 23, 252-260.	0.8	11
439	NMR structures and molecular dynamics simulation of hylin- α 1 peptide analogs interacting with micelles. <i>Journal of Peptide Science</i> , 2017, 23, 421-430.	0.8	3
440	Identification and characterization of multifunctional cationic peptides derived from peptic hydrolysates of rice bran protein. <i>Journal of Functional Foods</i> , 2017, 34, 287-296.	1.6	45
441	Design, Synthesis and Biological Evaluation of N -Sulfonylphenyl glyoxamide-Based Antimicrobial Peptide Mimics as Novel Antimicrobial Agents. <i>ChemistrySelect</i> , 2017, 2, 3452-3461.	0.7	12
442	Crabrolin, a natural antimicrobial peptide: structural properties. <i>Journal of Peptide Science</i> , 2017, 23, 693-700.	0.8	10

#	ARTICLE	IF	CITATIONS
443	The interaction of antimicrobial peptides with membranes. <i>Advances in Colloid and Interface Science</i> , 2017, 247, 521-532.	7.0	134
444	Protein Epitope Mimetics: From New Antibiotics to Supramolecular Synthetic Vaccines. <i>Accounts of Chemical Research</i> , 2017, 50, 1323-1331.	7.6	37
445	Controlled Release of LL37-Derived Synthetic Antimicrobial and Anti-Biofilm Peptides SAAP45 and SAAP276 Prevents Experimental Biomaterial-Associated <i>Staphylococcus aureus</i> Infection. <i>Advanced Functional Materials</i> , 2017, 27, 1606623.	7.8	51
446	Modulating short tryptophan- and arginine-rich peptides activity by substitution with histidine. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2017, 1861, 1844-1854.	1.1	31
447	Computational prediction of the optimal oligomeric state for membrane-inserted β -barrels of protegrin and related mutants. <i>Journal of Peptide Science</i> , 2017, 23, 334-345.	0.8	7
448	pH-Triggered, Macromolecule-Sized Poration of Lipid Bilayers by Synthetically Evolved Peptides. <i>Journal of the American Chemical Society</i> , 2017, 139, 937-945.	6.6	61
449	Membrane-Active Hydantoin Derivatives as Antibiotic Agents. <i>Journal of Medicinal Chemistry</i> , 2017, 60, 8456-8465.	2.9	80
450	Novel bis-cyclic guanidines as potent membrane-active antibacterial agents with therapeutic potential. <i>Chemical Communications</i> , 2017, 53, 11948-11951.	2.2	39
451	Inflammatory and biocompatibility evaluation of antimicrobial peptide GL13K immobilized onto titanium by silanization. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 160, 581-588.	2.5	24
452	Novel coordination of lipopolysaccharide modifications in <i>Vibrio cholerae</i> promotes CAMP resistance. <i>Molecular Microbiology</i> , 2017, 106, 582-596.	1.2	27
453	In vivo therapeutic efficacy of frog skin-derived peptides against <i>Pseudomonas aeruginosa</i> -induced pulmonary infection. <i>Scientific Reports</i> , 2017, 7, 8548.	1.6	31
454	Transmembrane Pore Structures of β -Hairpin Antimicrobial Peptides by All-Atom Simulations. <i>Journal of Physical Chemistry B</i> , 2017, 121, 9126-9140.	1.2	25
455	Discovery of a Membrane-Active, Ring-Modified Histidine Containing Ultrashort Amphiphilic Peptide That Exhibits Potent Inhibition of <i>Cryptococcus neoformans</i> . <i>Journal of Medicinal Chemistry</i> , 2017, 60, 6607-6621.	2.9	35
456	Targeting a cell wall biosynthesis hot spot. <i>Natural Product Reports</i> , 2017, 34, 909-932.	5.2	71
457	Antimicrobial properties and death-inducing mechanisms of saccharomycin, a biocide secreted by <i>Saccharomyces cerevisiae</i> . <i>Applied Microbiology and Biotechnology</i> , 2017, 101, 159-171.	1.7	51
458	Microbial Diseases of Bivalve Mollusks: Infections, Immunology and Antimicrobial Defense. <i>Marine Drugs</i> , 2017, 15, 182.	2.2	127
459	Synthesis and Evaluation of Antimicrobial Activity of [R4W4K]-Levofloxacin and [R4W4K]-Levofloxacin-Q Conjugates. <i>Molecules</i> , 2017, 22, 957.	1.7	24
460	Molecular Dynamics Simulations of the Host Defense Peptide Temporin L and Its Q3K Derivative: An Atomic Level View from Aggregation in Water to Bilayer Perturbation. <i>Molecules</i> , 2017, 22, 1235.	1.7	13

#	ARTICLE	IF	CITATIONS
461	<i>Pseudomonas aeruginosa</i> Psl Exopolysaccharide Interacts with the Antimicrobial Peptide LG21. <i>Water</i> (Switzerland), 2017, 9, 681.	1.2	4
462	Antimicrobial peptides with selective antitumor mechanisms: prospect for anticancer applications. <i>Oncotarget</i> , 2017, 8, 46635-46651.	0.8	273
463	Cationic Net Charge and Counter Ion Type as Antimicrobial Activity Determinant Factors of Short Lipopeptides. <i>Frontiers in Microbiology</i> , 2017, 8, 123.	1.5	42
464	Antimicrobial Activity of Truncated and Polyvalent Peptides Derived from the FKRRQWQWRMKKGLA Sequence against <i>Escherichia coli</i> ATCC 25922 and <i>Staphylococcus aureus</i> ATCC 25923. <i>Molecules</i> , 2017, 22, 987.	1.7	36
465	Synthesis and Conformational Studies of Taa-Containing Nitrobenzenesulfonamide- <i>N</i> -Nosyl Protected GS Analogs to Prove the Importance of Stereochemistry of Taa over <i>S</i> . <i>ChemistrySelect</i> , 2018, 3, 2272-2276.	0.7	1
466	Scavenger receptor B promotes bacteria clearance by enhancing phagocytosis and attenuates white spot syndrome virus proliferation in <i>Scylla paramamosian</i> . <i>Fish and Shellfish Immunology</i> , 2018, 78, 79-90.	1.6	38
467	White spot syndrome virus (WSSV) suppresses penaeidin expression in <i>Marsupenaeus japonicus</i> hemocytes. <i>Fish and Shellfish Immunology</i> , 2018, 78, 233-237.	1.6	11
468	Programmed cell death in yeast by thionin-like peptide from <i>Capsicum annum</i> fruits involving activation of caspases and extracellular H ⁺ flux. <i>Bioscience Reports</i> , 2018, 38, .	1.1	31
469	Binding, folding and insertion of a β^2 -hairpin peptide at a lipid bilayer surface: Influence of electrostatics and lipid tail packing. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2018, 1860, 792-800.	1.4	11
470	Vasodilator and hypotensive effects of the spider peptide Lycosin-I in vitro and in vivo. <i>Peptides</i> , 2018, 99, 108-114.	1.2	14
471	Rational Design of Dimeric Lysine-N-Alkylamides as Potent and Broad-Spectrum Antibacterial Agents. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 2865-2874.	2.9	46
472	Pore formation and the key factors in antibacterial activity of aurein 1.2 and LLAA inside lipid bilayers, a molecular dynamics study. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2018, 1860, 347-356.	1.4	2
473	Natural-Products-Inspired Use of the gem-Dimethyl Group in Medicinal Chemistry. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 2166-2210.	2.9	86
474	Molecular cloning, expression, promoter analysis and functional characterization of a new Crustin from <i>Litopenaeus vannamei</i> . <i>Fish and Shellfish Immunology</i> , 2018, 73, 42-49.	1.6	32
475	Design and synthesis of short amphiphilic cationic peptidomimetics based on biphenyl backbone as antibacterial agents. <i>European Journal of Medicinal Chemistry</i> , 2018, 143, 1702-1722.	2.6	29
476	Synthetic Antimicrobial Peptides: I. Antimicrobial Activity of Amphiphilic and Nonamphiphilic Cationic Peptides. <i>Russian Journal of Bioorganic Chemistry</i> , 2018, 44, 492-503.	0.3	9
477	Action of Antimicrobial Peptides against Bacterial Biofilms. <i>Materials</i> , 2018, 11, 2468.	1.3	186
478	Antibiotic resistance: a rundown of a global crisis. <i>Infection and Drug Resistance</i> , 2018, Volume 11, 1645-1658.	1.1	1,496

#	ARTICLE	IF	CITATIONS
479	Design, Synthesis, and Evaluation of Amphiphilic Cyclic and Linear Peptides Composed of Hydrophobic and Positively-Charged Amino Acids as Antibacterial Agents. <i>Molecules</i> , 2018, 23, 2722.	1.7	23
480	Sarconesin: <i>Sarconesiopsis magellanica</i> Blowfly Larval Excretions and Secretions With Antibacterial Properties. <i>Frontiers in Microbiology</i> , 2018, 9, 2249.	1.5	18
481	Neutrophils: Beneficial and Harmful Cells in Septic Arthritis. <i>International Journal of Molecular Sciences</i> , 2018, 19, 468.	1.8	33
482	Antifungal activity of spider venom-derived peptide lycosin-I against <i>Candida tropicalis</i> . <i>Microbiological Research</i> , 2018, 216, 120-128.	2.5	17
483	What Can Pleiotropic Proteins in Innate Immunity Teach Us about Bioconjugation and Molecular Design?. <i>Bioconjugate Chemistry</i> , 2018, 29, 2127-2139.	1.8	8
484	Effect of Composition on Antibacterial Activity of Sequence-Defined Cationic Oligothioetheramides. <i>ACS Infectious Diseases</i> , 2018, 4, 1257-1263.	1.8	19
485	Searching for crab-borne antimicrobial peptides: Crustin from <i>Portunus pelagicus</i> triggers biofilm inhibition and immune responses of <i>Artemia salina</i> against GFP tagged <i>Vibrio parahaemolyticus</i> Dahv2. <i>Molecular Immunology</i> , 2018, 101, 396-408.	1.0	22
486	Computational prediction of antifungal peptides via Chou's PseAAC and SVM. <i>Journal of Bioinformatics and Computational Biology</i> , 2018, 16, 1850016.	0.3	41
487	Identification of multiple-derived peptides produced by <i>Saccharomyces cerevisiae</i> involved in malolactic fermentation inhibition. <i>FEMS Yeast Research</i> , 2018, 18, .	1.1	12
488	Tryptophan-Rich and Proline-Rich Antimicrobial Peptides. <i>Molecules</i> , 2018, 23, 815.	1.7	130
489	Structural basis for endotoxin neutralisation and anti-inflammatory activity of thrombin-derived C-terminal peptides. <i>Nature Communications</i> , 2018, 9, 2762.	5.8	43
490	Developments in Cell-Penetrating Peptides as Antiviral Agents and as Vehicles for Delivery of Peptide Nucleic Acid Targeting Hepadnaviral Replication Pathway. <i>Biomolecules</i> , 2018, 8, 55.	1.8	14
491	Hemolymph defensin from the hard tick <i>Haemaphysalis longicornis</i> attacks Gram-positive bacteria. <i>Journal of Invertebrate Pathology</i> , 2018, 156, 14-18.	1.5	7
492	Guanidine functionalized anthranilamides as effective antibacterials with biofilm disruption activity. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 5871-5888.	1.5	22
493	HJH-1, a Broad-Spectrum Antimicrobial Activity and Low Cytotoxicity Antimicrobial Peptide. <i>Molecules</i> , 2018, 23, 2026.	1.7	16
494	Design of antimicrobial peptides from a cuttlefish database. <i>Amino Acids</i> , 2018, 50, 1573-1582.	1.2	16
495	Breaking the frontiers of cosmetology with antimicrobial peptides. <i>Biotechnology Advances</i> , 2018, 36, 2019-2031.	6.0	32
496	Molecular insights into the interactions of GF17 with the gram-negative and gram-positive bacterial lipid bilayers. <i>Journal of Cellular Biochemistry</i> , 2018, 119, 9205-9216.	1.2	11

#	ARTICLE	IF	CITATIONS
497	Efficacy of dietary fermented vegetable product on immune response, up-regulation of immune-related genes and protection of kuruma shrimp (<i>Marsupenaeus japonicus</i>) against <i>Vibrio parahaemolyticus</i> . <i>Aquaculture</i> , 2018, 497, 431-439.	1.7	10
498	Biological Activities of Cationicity-Enhanced and Hydrophobicity-Optimized Analogues of an Antimicrobial Peptide, Dermaseptin-PS3, from the Skin Secretion of <i>Phyllomedusa sauvagii</i> . <i>Toxins</i> , 2018, 10, 320.	1.5	17
499	Influence of pH on the activity of thrombin-derived antimicrobial peptides. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2018, 1860, 2374-2384.	1.4	25
500	Collagen VI Contains Multiple Host Defense Peptides with Potent In Vivo Activity. <i>Journal of Immunology</i> , 2018, 201, 1007-1020.	0.4	22
501	Cationic peptides from enzymatic hydrolysates of soybean proteins exhibit LPS-neutralizing and antigenic activities. <i>Journal of Bioscience and Bioengineering</i> , 2019, 127, 176-182.	1.1	11
502	Design of stapled antimicrobial peptides that are stable, nontoxic and kill antibiotic-resistant bacteria in mice. <i>Nature Biotechnology</i> , 2019, 37, 1186-1197.	9.4	187
503	Mechanism of action of antimicrobial peptide P5 truncations against <i>Pseudomonas aeruginosa</i> and <i>Staphylococcus aureus</i> . <i>AMB Express</i> , 2019, 9, 122.	1.4	44
504	Discovery of selective, antimetastatic and anti-cancer stem cell metallohelices<i>via</i>post-assembly modification. <i>Chemical Science</i> , 2019, 10, 8547-8557.	3.7	23
505	A new crustin is involved in the innate immune response of shrimp <i>Litopenaeus vannamei</i> . <i>Fish and Shellfish Immunology</i> , 2019, 94, 398-406.	1.6	44
506	Natural Occurrence in Venomous Arthropods of Antimicrobial Peptides Active against Protozoan Parasites. <i>Toxins</i> , 2019, 11, 563.	1.5	31
507	Multifunctional Activity of the $\hat{1}^2$ -Defensin-2 during Respiratory Infections. , 2019, , .		2
508	Classification and characterization of hemocytes from two Asian horseshoe crab species <i>Tachypleus tridentatus</i> and <i>Carcinoscorpius rotundicauda</i> . <i>Scientific Reports</i> , 2019, 9, 7095.	1.6	17
509	Egg Shell Membranes for Veterinary Uses. , 2019, , 227-233.		1
510	Activity and characterization of a pH-sensitive antimicrobial peptide. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2019, 1861, 182984.	1.4	33
511	Cloning, characterization and tissue-specific expression of the antimicrobial peptide hepcidin from caspian trout (<i>Salmo caspius</i>) and the antibacterial activity of the synthetic peptide. <i>Fish and Shellfish Immunology</i> , 2019, 90, 288-296.	1.6	24
512	Oligomerization and insertion of antimicrobial peptide TP4 on bacterial membrane and membrane-mimicking surfactant sarkosyl. <i>PLoS ONE</i> , 2019, 14, e0216946.	1.1	7
513	Short Cationic Peptidomimetic Antimicrobials. <i>Antibiotics</i> , 2019, 8, 44.	1.5	46
514	Use of a Stereochemical Strategy To Probe the Mechanism of Phenol-Soluble Modulin $\hat{1}\pm 3$ Toxicity. <i>Journal of the American Chemical Society</i> , 2019, 141, 7660-7664.	6.6	32

#	ARTICLE	IF	CITATIONS
515	Cationic antimicrobial peptides: alternatives and/or adjuvants to antibiotics active against methicillin-resistant <i>Staphylococcus aureus</i> and multidrug-resistant <i>Pseudomonas aeruginosa</i> . <i>BMC Microbiology</i> , 2019, 19, 54.	1.3	81
516	Effects of <i>Bombyx mori</i> nuclear polyhedrosis virus on serpin and antibacterial peptide expression in <i>B. mori</i> . <i>Microbial Pathogenesis</i> , 2019, 130, 137-145.	1.3	5
517	Biofilm formation by staphylococci in health-related environments and recent reports on their control using natural compounds. <i>Critical Reviews in Microbiology</i> , 2019, 45, 201-222.	2.7	47
518	Design, antimicrobial activity and mechanism of action of Arg-rich ultra-short cationic lipopeptides. <i>PLoS ONE</i> , 2019, 14, e0212447.	1.1	38
519	Human cathelicidin peptide LL-37 as a therapeutic antiviral targeting Venezuelan equine encephalitis virus infections. <i>Antiviral Research</i> , 2019, 164, 61-69.	1.9	40
520	Interspecies Bombolittins Exhibit Structural Diversity upon Membrane Binding, Leading to Cell Specificity. <i>Biophysical Journal</i> , 2019, 116, 1064-1074.	0.2	3
521	Reprogramming biological peptides to combat infectious diseases. <i>Chemical Communications</i> , 2019, 55, 15020-15032.	2.2	45
522	Bacterial Biofilm Eradication Agents: A Current Review. <i>Frontiers in Chemistry</i> , 2019, 7, 824.	1.8	338
523	Hijacking of immune defences by biofilms: a multifront strategy. <i>Biofouling</i> , 2019, 35, 1055-1074.	0.8	54
524	12. Antimicrobial peptides. , 2019, , 263-294.		0
525	Sequence and Dispersity Are Determinants of Photodynamic Antibacterial Activity Exerted by Peptidomimetic Oligo(thiophene)s. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 1896-1906.	4.0	43
526	CK11, a Teleost Chemokine with a Potent Antimicrobial Activity. <i>Journal of Immunology</i> , 2019, 202, 857-870.	0.4	40
527	Role of calcium in reactive oxygen species-induced apoptosis in <i>Candida albicans</i> : an antifungal mechanism of antimicrobial peptide, PMAP-23. <i>Free Radical Research</i> , 2019, 53, 8-17.	1.5	20
528	Fractionation of Protein Hydrolysates of Fish Waste Using Membrane Ultrafiltration: Investigation of Antibacterial and Antioxidant Activities. <i>Probiotics and Antimicrobial Proteins</i> , 2019, 11, 1015-1022.	1.9	70
529	Host-defense peptides AC12, DK16 and RC11 with immunomodulatory activity isolated from <i>Hypsiboas raniceps</i> skin secretion. <i>Peptides</i> , 2019, 113, 11-21.	1.2	10
530	Experimental infection with <i>Anguillicola crassus</i> alters immune gene expression in both spleen and head kidney of the European eel (<i>Anguilla anguilla</i>). <i>Marine Genomics</i> , 2019, 45, 28-37.	0.4	8
531	Host defense peptide LEAP-2 contributes to monocyte/macrophage polarization in barbel steed (<i>Hemibarbus labeo</i>). <i>Fish and Shellfish Immunology</i> , 2019, 87, 184-192.	1.6	23
532	Antifungal drugs: New insights in research & development. , 2019, 195, 21-38.		102

#	ARTICLE	IF	CITATIONS
533	Antimicrobial peptides: Promising alternatives in the post feeding antibiotic era. <i>Medicinal Research Reviews</i> , 2019, 39, 831-859.	5.0	309
534	Antibiofilm elastin-like polypeptide coatings: functionality, stability, and selectivity. <i>Acta Biomaterialia</i> , 2019, 83, 245-256.	4.1	53
535	Production of milk peptides with antimicrobial and antioxidant properties through fungal proteases. <i>Food Chemistry</i> , 2019, 278, 823-831.	4.2	83
536	Brevinin-2R and Derivatives as Potential Anticancer Peptides: Synthesis, Purification, Characterization and Biological Activities. <i>International Journal of Peptide Research and Therapeutics</i> , 2019, 25, 151-160.	0.9	9
537	In Vitro Studies and Characterization of Tissue Protein from Green Mussel, <i>Perna viridis</i> (Linnaeus). <i>International Journal of Peptide Research and Therapeutics</i> , 2020, 26, 159-169.	0.9	2
538	Identification of cationic peptides derived from low protein rice by-products and evaluation of their multifunctional activities. <i>Journal of Bioscience and Bioengineering</i> , 2020, 129, 307-314.	1.1	3
539	Anticancer Activity of Brevinin-2R Peptide and its Two Analogues Against Myelogenous Leukemia Cell Line as Natural Treatments: An In Vitro Study. <i>International Journal of Peptide Research and Therapeutics</i> , 2020, 26, 1013-1020.	0.9	3
540	Identification and characterization of multifunctional cationic peptides from enzymatic hydrolysates of soybean proteins. <i>Journal of Bioscience and Bioengineering</i> , 2020, 129, 59-66.	1.1	10
541	Antibacterial activity of lipo-lysine/sulfonamide hybrid peptides. <i>European Journal of Medicinal Chemistry</i> , 2020, 186, 111901.	2.6	16
542	<i>Chlamydomonas reinhardtii</i> -expressed multimer of ToAMP4 inhibits the growth of bacteria of both Gram-positive and Gram-negative. <i>Process Biochemistry</i> , 2020, 91, 311-318.	1.8	18
543	Maturation of an Antimicrobial Peptide Inhibits <i>Aeromonas hydrophila</i> Infection in Crayfish. <i>Journal of Immunology</i> , 2020, 204, 487-497.	0.4	16
544	Purification of WAP domain-containing antimicrobial peptides from green tiger shrimp <i>Penaeus semisulcatus</i> . <i>Microbial Pathogenesis</i> , 2020, 140, 103920.	1.3	8
545	Antimicrobial peptides from <i>Burkholderia arboris</i> RAI16 inhibit diabetic wound pathogens. <i>Materials Today: Proceedings</i> , 2020, 31, 9-13.	0.9	0
546	NoPv1: a synthetic antimicrobial peptide aptamer targeting the causal agents of grapevine downy mildew and potato late blight. <i>Scientific Reports</i> , 2020, 10, 17574.	1.6	23
547	Interactions of de novo-designed peptides with bacterial membranes: Implications in the antimicrobial activity. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2020, 1862, 183443.	1.4	15
548	Inhibition of bacterial adherence to biomaterials by coating antimicrobial peptides with anionic surfactant. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 196, 111364.	2.5	9
549	Fluorinated Quaternary Chitosan Derivatives: Synthesis, Characterization, Antibacterial Activity, and Killing Kinetics. <i>ACS Omega</i> , 2020, 5, 29657-29666.	1.6	18
550	<i>Staphylococcus aureus</i> and Hyper-IgE Syndrome. <i>International Journal of Molecular Sciences</i> , 2020, 21, 9152.	1.8	9

#	ARTICLE	IF	CITATIONS
551	In Silico Discovery of Antimicrobial Peptides as an Alternative to Control SARS-CoV-2. <i>Molecules</i> , 2020, 25, 5535.	1.7	21
552	Anionic Surfactant-Facilitated Coating of Antimicrobial Peptide and Antibiotic Reduces Biomaterial-Associated Infection. <i>ACS Biomaterials Science and Engineering</i> , 2020, 6, 4561-4572.	2.6	14
553	Functional Reciprocity of Amyloids and Antimicrobial Peptides: Rethinking the Role of Supramolecular Assembly in Host Defense, Immune Activation, and Inflammation. <i>Frontiers in Immunology</i> , 2020, 11, 1629.	2.2	44
554	Antibacterial Activity and Mechanism of a Bacteriocin Derived from the Valine-Cecropin A(1 α)-Plantaricin ZJ5(1 α) Hybrid Peptide Against <i>Escherichia coli</i> O104. <i>Food Biophysics</i> , 2020, 15, 442-451.	1.4	5
555	Antimicrobial Activities of Different Fractions from Mucus of the Garden Snail <i>Cornu aspersum</i> . <i>Biomedicines</i> , 2020, 8, 315.	1.4	14
556	Design, Synthesis and Biological Evaluation of Biphenylglyoxamide-Based Small Molecular Antimicrobial Peptide Mimics as Antibacterial Agents. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6789.	1.8	10
557	Development of Bis-cyclic Imidazolidine-4-one Derivatives as Potent Antibacterial Agents. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 15591-15602.	2.9	39
558	Synthetic Host Defense Peptides Inhibit Venezuelan Equine Encephalitis Virus Replication and the Associated Inflammatory Response. <i>Scientific Reports</i> , 2020, 10, 21491.	1.6	6
559	Diminished Systemic and Mycobacterial Antigen Specific Anti-microbial Peptide Responses in Low Body Mass Index α Latent Tuberculosis Co-morbidity. <i>Frontiers in Cellular and Infection Microbiology</i> , 2020, 10, 165.	1.8	7
560	<i>Chlamydomonas reinhardtii</i> -expressed multimer of Bacteriocin LS2 potently inhibits the growth of bacteria. <i>Process Biochemistry</i> , 2020, 95, 139-147.	1.8	19
561	Antimicrobial Compounds from Crustaceans and Their Applications for Extending Shelf-Life of Marine-Based Foods. <i>Turkish Journal of Fisheries and Aquatic Sciences</i> , 2020, 20, 629-646.	0.4	9
562	Bacterial community and environmental factors associated to rivers runoff and their possible impacts on coral reef conservation. <i>Marine Pollution Bulletin</i> , 2020, 156, 111233.	2.3	9
563	Bee venom-derived antimicrobial peptide melectin has broad-spectrum potency, cell selectivity, and salt-resistant properties. <i>Scientific Reports</i> , 2020, 10, 10145.	1.6	38
564	Therapeutic Efficacy of Novel Antimicrobial Peptide AA139-Nanomedicines in a Multidrug-Resistant <i>Klebsiella pneumoniae</i> Pneumonia-Septicemia Model in Rats. <i>Antimicrobial Agents and Chemotherapy</i> , 2020, 64, .	1.4	14
565	Photo-initiated rupture of azobenzene micelles to enable the spectroscopic analysis of antimicrobial peptide dynamics. <i>RSC Advances</i> , 2020, 10, 21464-21472.	1.7	4
566	The effect of chitosan and PEG polymers on stabilization of GF-17 structure: A molecular dynamics study. <i>Carbohydrate Polymers</i> , 2020, 237, 116124.	5.1	17
567	Amphiphilic Peptide with Dual Functionality Resists Biofouling. <i>Langmuir</i> , 2020, 36, 4201-4206.	1.6	18
568	Novel Stapling by Lysine Tethering Provides Stable and Low Hemolytic Cationic Antimicrobial Peptides. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 4081-4089.	2.9	25

#	ARTICLE	IF	CITATIONS
569	Egyptian Mongoose (<i>Herpestes ichneumon</i>) Gut Microbiota: Taxonomical and Functional Differences across Sex and Age Classes. <i>Microorganisms</i> , 2020, 8, 392.	1.6	8
570	Expression and Roles of Antimicrobial Peptides in Innate Defense of Airway Mucosa: Potential Implication in Cystic Fibrosis. <i>Frontiers in Immunology</i> , 2020, 11, 1198.	2.2	36
571	A Novel Cecropin D-Derived Short Cationic Antimicrobial Peptide Exhibits Antibacterial Activity Against Wild-Type and Multidrug-Resistant Strains of <i>Klebsiella pneumoniae</i> and <i>Pseudomonas aeruginosa</i> . <i>Evolutionary Bioinformatics</i> , 2020, 16, 117693432093626.	0.6	8
572	Mechanisms of action of antimicrobial peptides ToAP2 and NDBP-5.7 against <i>Candida albicans</i> planktonic and biofilm cells. <i>Scientific Reports</i> , 2020, 10, 10327.	1.6	41
573	Thrombin-derived C-terminal fragments aggregate and scavenge bacteria and their proinflammatory products. <i>Journal of Biological Chemistry</i> , 2020, 295, 3417-3430.	1.6	24
574	Antifungal peptides produced by actinomycetes and their biological activities against plant diseases. <i>Journal of Antibiotics</i> , 2020, 73, 265-282.	1.0	37
575	Heterologous production of porcine derived antimicrobial peptide PR-39 in <i>Escherichia coli</i> using SUMO and intein fusion systems. <i>Protein Expression and Purification</i> , 2020, 169, 105568.	0.6	13
576	Effects of antimicrobial peptides on growth, feed utilization, serum biochemical indices and disease resistance of juvenile shrimp, <i>Litopenaeus vannamei</i> . <i>Aquaculture Research</i> , 2020, 51, 1222-1231.	0.9	29
577	Impact of an Antifungal Insect Defensin on the Proteome of the Phytopathogenic Fungus <i>Botrytis cinerea</i> . <i>Journal of Proteome Research</i> , 2020, 19, 1131-1146.	1.8	15
578	Small Molecules with Membrane-Active Antibacterial Activity. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 21292-21299.	4.0	43
579	A biotechnological approach for the production of branched chain amino acid containing bioactive peptides to improve human health: A review. <i>Food Research International</i> , 2020, 131, 109002.	2.9	38
580	Amino Acids and Peptides as Versatile Ligands in the Synthesis of Antiproliferative Gold Complexes. <i>Chemistry</i> , 2020, 2, 203-218.	0.9	7
581	Human β -defensin 3 gene modification promotes the osteogenic differentiation of human periodontal ligament cells and bone repair in periodontitis. <i>International Journal of Oral Science</i> , 2020, 12, 13.	3.6	19
582	Sulfonate Esters of Simple Phenols Exhibit Enhanced Activity against Biofilms. <i>ACS Omega</i> , 2020, 5, 6010-6020.	1.6	6
583	Antimicrobial peptide and sequence variation along a latitudinal gradient in two anurans. <i>BMC Genetics</i> , 2020, 21, 38.	2.7	6
584	Synthesis and Biological Studies of Dodecameric Cationic Antimicrobial Peptides Containing Tetrahydrofuran Amino Acids. <i>ChemBioChem</i> , 2020, 21, 2518-2526.	1.3	2
585	Anti-yeast activity and characterisation of synthetic radish peptides Rs-AFP1 and Rs-AFP2 against food spoilage yeast. <i>Food Control</i> , 2020, 113, 107178.	2.8	15
586	Scavenger receptor B8 improves survivability by mediating innate immunity in silkworm, <i>Bombyx mori</i> . <i>Developmental and Comparative Immunology</i> , 2021, 116, 103917.	1.0	15

#	ARTICLE	IF	CITATIONS
587	Recombinant expression of the precursor of rat lung surfactant protein B in Escherichia coli and its antibacterial mechanism. Protein Expression and Purification, 2021, 179, 105801.	0.6	5
588	Innate immune responses against viral pathogens in Macrobrachium. Developmental and Comparative Immunology, 2021, 117, 103966.	1.0	14
589	CqPP2A inhibits white spot syndrome virus infection by up-regulating antimicrobial substances expression in red claw crayfish Cherax quadricarinatus. Developmental and Comparative Immunology, 2021, 116, 103913.	1.0	0
590	Interactions between the epithelial barrier and the microbiota in the reproductive tract. , 2021, , 387-436.		2
591	Methacrylamide based antibiotic polymers with no detectable bacterial resistance. Soft Matter, 2021, 17, 3404-3416.	1.2	4
592	The membrane-targeting mechanism of host defense peptides inspiring the design of polypeptide-conjugated gold nanoparticles exhibiting effective antibacterial activity against methicillin-resistant <i>Staphylococcus aureus</i> . Journal of Materials Chemistry B, 2021, 9, 5092-5101.	2.9	10
593	Metallohelices emulate the properties of short cationic α -helical peptides. Chemical Science, 2021, 12, 1620-1631.	3.7	24
594	Molecular engineering of antimicrobial peptides: microbial targets, peptide motifs and translation opportunities. Biophysical Reviews, 2021, 13, 35-69.	1.5	60
595	Reactive oxygen mediated apoptosis as a therapeutic approach against opportunistic Candida albicans. Advances in Protein Chemistry and Structural Biology, 2021, 125, 25-49.	1.0	9
596	Insect antimicrobial peptides: potential weapons to counteract the antibiotic resistance. Cellular and Molecular Life Sciences, 2021, 78, 4259-4282.	2.4	124
597	Tetrahydropiperinic acid (THPA) conjugated cationic hybrid dipeptides as antimicrobial agents. Journal of Antibiotics, 2021, 74, 480-483.	1.0	6
598	A Crustin from Hydrothermal Vent Shrimp: Antimicrobial Activity and Mechanism. Marine Drugs, 2021, 19, 176.	2.2	20
599	Expression levels of pro-inflammatory interleukin-8 and certain antimicrobial peptides in concurrent with bacterial conjunctivitis. International Journal of Ophthalmology, 2021, 14, 666-675.	0.5	1
600	Rational design of innate defense regulator peptides as tumor vaccine adjuvants. Npj Vaccines, 2021, 6, 75.	2.9	4
601	The Pharmacodynamics Study of Insect Defensin DLP4 Against Toxigenic Staphylococcus hyicus ATCC 61734 in Vitro and Vivo. Frontiers in Cellular and Infection Microbiology, 2021, 11, 638598.	1.8	8
603	Antimicrobial Peptides and Proteins: From Nature's Reservoir to the Laboratory and Beyond. Frontiers in Chemistry, 2021, 9, 691532.	1.8	82
604	In vivo immunostimulatory effect of the amoebocyte lysate and plasma of Asian horseshoe crab, Tachypleus gigas in a piscine model. Marine Life Science and Technology, 2021, 3, 355-362.	1.8	0
605	Pectobacterium parmentieri SCC 3193 Mutants with Altered Synthesis of Cell Surface Polysaccharides Are Resistant to N4-Like Lytic Bacteriophage Φ A38 (vB_Ppp_A38) but Express Decreased Virulence in Potato (Solanum tuberosum L.) Plants. International Journal of Molecular Sciences, 2021, 22, 7346.	1.8	7

#	ARTICLE	IF	CITATIONS
606	Combating Algae Blooms. <i>Journal of Student Research</i> , 2021, 10, .	0.0	0
607	Effects of Lipidation on a Proline-Rich Antibacterial Peptide. <i>International Journal of Molecular Sciences</i> , 2021, 22, 7959.	1.8	24
608	Expression of Antimicrobial Peptides and Cytokines in Human Omentum Following Abdominal Surgery. <i>Cureus</i> , 2021, 13, e17477.	0.2	0
609	Barbel steed (<i>Hemibarbus labeo</i>) NK-lysin protects against <i>Aeromonas hydrophila</i> infection via immunomodulatory activity. <i>Developmental and Comparative Immunology</i> , 2021, 122, 104114.	1.0	8
610	Molecular characterization of cathelicidin in tiger frog (<i>Hoplobatrachus rugulosus</i>): Antimicrobial activity and immunomodulatory activity. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2021, 247, 109072.	1.3	11
611	Membrane-disruptive peptides/peptidomimetics-based therapeutics: Promising systems to combat bacteria and cancer in the drug-resistant era. <i>Acta Pharmaceutica Sinica B</i> , 2021, 11, 2609-2644.	5.7	54
612	Interplay between membrane active host defense peptides and heme modulates their assemblies and in vitro activity. <i>Scientific Reports</i> , 2021, 11, 18328.	1.6	7
613	pH-Dependent Conformations of an Antimicrobial Spider Venom Peptide, Cupiennin 1a, from Unbiased HREMD Simulations. <i>ACS Omega</i> , 2021, 6, 24166-24175.	1.6	2
614	Modified histidine containing amphipathic ultrashort antifungal peptide, His[2-p-(n-butyl)phenyl]-Trp-Arg-OMe exhibits potent anticryptococcal activity. <i>European Journal of Medicinal Chemistry</i> , 2021, 223, 113635.	2.6	20
615	Toward insights on antimicrobial selectivity of host defense peptides via machine learning model interpretation. <i>Genomics</i> , 2021, 113, 3851-3863.	1.3	4
616	Antimicrobial and immunomodulatory activity of beta-defensin from the Chinese spiny frog (<i>Quasipaa</i>) Tj ETQq0 0 0 rgBT /Overlock 10 T	1.0	8
617	Solution Structure, Dynamics, and New Antifungal Aspects of the Cysteine-Rich Miniprotein PAFC. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1183.	1.8	7
618	Fetal bovine serum albumin inhibits antimicrobial peptide activity and binds drug only in complex with $\hat{\pm}$ 1-antitrypsin. <i>Scientific Reports</i> , 2021, 11, 1267.	1.6	16
619	Interaction between Antimicrobial Peptide CM15 and a Model Cell Membrane Affected by CM15 Terminal Amidation and the Membrane Phase State. <i>Langmuir</i> , 2021, 37, 1613-1621.	1.6	10
620	A Crosstalk on Antimicrobial Peptides. <i>International Journal of Peptide Research and Therapeutics</i> , 2021, 27, 229-244.	0.9	16
622	ROLE OF HOST DEFENSE PEPTIDES OF THE INNATE IMMUNE RESPONSE IN SEPSIS. <i>Shock</i> , 2008, 30, 117-126.	1.0	27
623	Formulation of bovine respiratory syncytial virus fusion protein with CpG oligodeoxynucleotide, cationic host defence peptide and polyphosphazene enhances humoral and cellular responses and induces a protective type 1 immune response in mice. <i>Journal of General Virology</i> , 2009, 90, 1892-1905.	1.3	32
625	<i>Mytilus galloprovincialis</i> Myticin C: A Chemotactic Molecule with Antiviral Activity and Immunoregulatory Properties. <i>PLoS ONE</i> , 2011, 6, e23140.	1.1	86

#	ARTICLE	IF	CITATIONS
626	Adaptive Evolution of <i>Escherichia coli</i> to an α -Peptide/ β -Peptoid Peptidomimetic Induces Stable Resistance. <i>PLoS ONE</i> , 2013, 8, e73620.	1.1	21
627	De Novo Design and Synthesis of Ultra-Short Peptidomimetic Antibiotics Having Dual Antimicrobial and Anti-Inflammatory Activities. <i>PLoS ONE</i> , 2013, 8, e80025.	1.1	27
628	The Brassicaceae-Specific EWR1 Gene Provides Resistance to Vascular Wilt Pathogens. <i>PLoS ONE</i> , 2014, 9, e88230.	1.1	32
629	Design of Embedded-Hybrid Antimicrobial Peptides with Enhanced Cell Selectivity and Anti-Biofilm Activity. <i>PLoS ONE</i> , 2014, 9, e98935.	1.1	71
630	Whole Transcriptome Analysis Provides Insights into Molecular Mechanisms for Molting in <i>Litopenaeus vannamei</i> . <i>PLoS ONE</i> , 2015, 10, e0144350.	1.1	86
631	Hydrophobic residues are critical for the helix-forming, hemolytic and bactericidal activities of amphipathic antimicrobial peptide TP4. <i>PLoS ONE</i> , 2017, 12, e0186442.	1.1	25
632	Identification of a novel lytic peptide for the treatment of solid tumours. <i>Genes and Cancer</i> , 2014, 5, 186-200.	0.6	20
633	Antitumor activity of HPA3P through RIPK3-dependent regulated necrotic cell death in colon cancer. <i>Oncotarget</i> , 2018, 9, 7902-7917.	0.8	18
634	Inmunidad innata y nuevos adyuvantes. <i>OIE Revue Scientifique Et Technique</i> , 2007, 26, 147-156.	0.5	27
635	Characterization of a Cathelicidin from the Colubrinae Snake, <i>Sinonatrix annularis</i> . <i>Zoological Science</i> , 2019, 36, 68.	0.3	10
636	Antimicrobial Peptides: Promising Compounds Against Pathogenic Microorganisms. <i>Current Medicinal Chemistry</i> , 2014, 21, 2299-2321.	1.2	146
637	Antimicrobial Peptides as an Opportunity Against Bacterial Diseases. <i>Current Medicinal Chemistry</i> , 2015, 22, 1665-1677.	1.2	72
638	Insect Inducible Antimicrobial Peptides and Their Applications. <i>Current Protein and Peptide Science</i> , 2013, 14, 620-631.	0.7	18
639	Isoleucine Plays an Important Role for Maintaining Immune Function. <i>Current Protein and Peptide Science</i> , 2019, 20, 644-651.	0.7	49
640	Combining Antimicrobial Peptides with Nanotechnology: An Emerging Field in Theranostics. <i>Current Protein and Peptide Science</i> , 2020, 21, 413-428.	0.7	17
641	Toll-Like Receptors in Skin Infections and Inflammatory Diseases. <i>Infectious Disorders - Drug Targets</i> , 2008, 8, 144-155.	0.4	96
642	Investigation of the Mechanisms of Antimicrobial Peptides Interacting with Membranes by Fluorescence Correlation Spectroscopy. <i>The Open Chemical Physics Journal</i> , 2008, 1, 62-79.	0.7	14
643	MOSPD2 is a receptor mediating the LEAP-2 effect on monocytes/macrophages in a teleost, <i>Boleophthalmus pectinirostris</i> . <i>Zoological Research</i> , 2020, 41, 644-655.	0.9	16

#	ARTICLE	IF	CITATIONS
644	Fermented Animal Source Protein as Substitution of Fishmeal on Intestinal Microbiota, Immune-Related Cytokines and Resistance to <i>Vibrio mimicus</i> in Freshwater Crayfish (<i>Cherax cainii</i>). <i>Frontiers in Physiology</i> , 2019, 10, 1635.	1.3	22
645	Enhancing the Humoral and Melanization Responses of <i>Aedes aegypti</i> Mosquito: A Step Towards the Utilization of Immune System Against Dengue Fever. <i>Journal of Entomology</i> , 2008, 5, 305-321.	0.2	6
646	Evaluation of Antimicrobial Activity of Buforin I and Nisin and the Synergistic Effect of Their Combination as a Novel Antimicrobial Preservative. <i>Journal of Food Protection</i> , 2020, 83, 2018-2025.	0.8	18
647	The influence of porcine cathelicidins on neutrophils isolated from rabbits in the course of bone graft implantation. <i>World Rabbit Science</i> , 2013, 21, .	0.1	3
648	Host Defence against Bacterial Biofilms: "Mission Impossible". <i>ISRN Immunology</i> , 2012, 2012, 1-17.	0.7	31
649	Antiviral and antifungal activity of some dermaseptin S4 analogues. <i>African Journal of Biotechnology</i> , 2011, 10, .	0.3	5
650	NF- κ B-dependent induction of porcine β -defensin 114 regulates intestinal epithelium homeostasis. <i>International Journal of Biological Macromolecules</i> , 2021, 192, 241-249.	3.6	7
652	Mass Spectrometric Characterization of a Novel Antimicrobial Peptide Isolated from <i>Clitoria ternatea</i> . , 2012, , 251-256.		0
653	Vitamin D and Human Innate Immunity. <i>Oxidative Stress and Disease</i> , 2012, , 223-238.	0.3	1
655	Classification of Antimicrobial Peptides among the Innate Immune Modulators. <i>Journal of Life Science</i> , 2015, 25, 833-838.	0.2	0
656	Immunohistochemical Expressions of the Antimicrobial Peptides (hBD-3 and hCAP-18/LL-37) in Colon, Stomach and Lung Adenocarcinomas. <i>UHOD - Uluslararası Hematoloji-Onkoloji Dergisi</i> , 2015, 25, 149-157.	0.1	0
657	Antimicrobial, Antioxidant and Hemolytic Activity of Water-soluble Extract of Mottled Anemone <i>Urticina crassicornis</i> . <i>Fisheries and Aquatic Sciences</i> , 2015, 18, 341-347.	0.3	2
658	AVALIAÇÃO DO DA CITOTOXICIDADE DO PEPTÍDEO ANTIMICROBIANO P34. <i>Science and Animal Health</i> , 2016, 1, 02.	0.0	1
659	ANTIMICROBIAL PEPTIDES IN SEMEN EXTENDERS: A VALUABLE REPLACEMENT OPTION FOR ANTIBIOTICS IN CRYOPRESERVATION- A Prospective Review. <i>Journal of Experimental Biology and Agricultural Sciences</i> , 2017, 5, 578-588.	0.1	2
661	SIMULAÇÃO COMPUTACIONAL DE AGREGADOS DE POPG NA PRESENÇA DO PEPTÍDEO ANTIMICROBIANO LL37. , 0, , .		0
662	Cathelicidins In Humans And Animals. <i>Postepy Mikrobiologii</i> , 2019, 58, 19-28.	0.1	0
663	Antimicrobial peptides and their therapeutic potential as anti-infective drugs: A review. <i>Journal of Zankoy Sulaimani - Part A</i> , 2019, 21, 1-8.	0.1	0
664	Antibacterial Activity of the Iranian Scorpion's Crude Venom (<i>Odontobuthus bidentatus</i>) on Gram-positive and Gram-negative Bacteria. <i>Iranian Journal of Toxicology</i> , 2020, 14, 105-110.	0.1	1

#	ARTICLE	IF	CITATIONS
667	Assessment of in vitro activities of novel modified antimicrobial peptides against clarithromycin resistant <i>Mycobacterium abscessus</i> . <i>PLoS ONE</i> , 2021, 16, e0260003.	1.1	4
668	SSTP1, a Host Defense Peptide, Exploits the Immunomodulatory IL6 Pathway to Induce Apoptosis in Cancer Cells. <i>Frontiers in Immunology</i> , 2021, 12, 740620.	2.2	2
669	The Preproalustrin-2CE2 and Preprobrevinin-2CE3 Gene from <i>Rana chensinensis</i> : Gene Expression, Genomic Organization, and Functional Analysis of the Promoter Activity. <i>Protein and Peptide Letters</i> , 2021, 28, .	0.4	0
670	Dietary supplementation of fish protein hydrolysate in high plant protein diets modulates growth, liver and kidney health, and immunity of barramundi (<i>Lates calcarifer</i>). <i>Aquaculture Nutrition</i> , 0, 27, 86.	1.1	8
671	Buforin I an alternative to conventional antibiotics: Evaluation of the antimicrobial properties, stability, and safety. <i>Microbial Pathogenesis</i> , 2021, 161, 105301.	1.3	9
672	Molecular identification and functional characterization of a WAP domain-containing protein in <i>Apostichopus japonicus</i> . <i>Aquaculture</i> , 2022, 551, 737908.	1.7	2
673	Voices in audiodescription: Neutrality and pleasantness. <i>Loquens</i> , 2020, 7, e076.	0.1	2
674	Effects of <i>Lactobacillus pentosus</i> combined with <i>Arthrospira platensis</i> on the growth performance, immune response, and intestinal microbiota of <i>Litopenaeus vannamei</i> . <i>Fish and Shellfish Immunology</i> , 2022, 120, 345-352.	1.6	11
675	Evaluation of antibacterial activity induced by <i>Staphylococcus aureus</i> and Ent A in the hemolymph of <i>Spodoptera littoralis</i> . <i>Saudi Journal of Biological Sciences</i> , 2022, 29, 2892-2903.	1.8	4
677	Microbial diversity of garden snail mucus. <i>MicrobiologyOpen</i> , 2022, 11, e1263.	1.2	7
678	The lipid components of high-density lipoproteins (HDL) are essential for the binding and transportation of antimicrobial peptides in human serum. <i>Scientific Reports</i> , 2022, 12, 2576.	1.6	2
679	Traditional and Computational Screening of Non-Toxic Peptides and Approaches to Improving Selectivity. <i>Pharmaceuticals</i> , 2022, 15, 323.	1.7	17
680	Overview of Host Defense Peptides with Promising Anti-Breast Cancer Activity. <i>Serbian Journal of Experimental and Clinical Research</i> , 2022, .	0.2	0
682	Structural and Functional Characterization of a Novel Recombinant Antimicrobial Peptide from <i>Hermetia illucens</i> . <i>Current Issues in Molecular Biology</i> , 2022, 44, 1-13.	1.0	17
683	Molecular Dynamics Studies on the Bacterial Membrane Pore Formation by Small Molecule Antimicrobial Agents. <i>Journal of Chemical Information and Modeling</i> , 2022, 62, 40-48.	2.5	7
684	Uncovering a Hub Signaling Pathway of Antimicrobial-Antifungal-Anticancer Peptides Axis on Short Cationic Peptides via Network Pharmacology Study. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2055.	1.8	1
685	A sustainable and efficient recycling strategy of feather waste into keratin peptides with antimicrobial activity. <i>Waste Management</i> , 2022, 144, 421-430.	3.7	13
686	Dietary supplementation of astaxanthin is superior to its combination with <i>Lactococcus lactis</i> in improving the growth performance, antioxidant capacity, immunity and disease resistance of white shrimp (<i>Litopenaeus vannamei</i>). <i>Aquaculture Reports</i> , 2022, 24, 101124.	0.7	11

#	ARTICLE	IF	CITATIONS
688	Hydrophobic mismatch is a key factor in protein transport across lipid bilayer membranes via the Tat pathway. <i>Journal of Biological Chemistry</i> , 2022, 298, 101991.	1.6	8
689	Control of vibriosis in shrimp through the management of the microbiota and the immune system. <i>Revista Bionatura</i> , 2022, 7, 1.	0.1	0
690	Cathelicidin LL-37 in Health and Diseases of the Oral Cavity. <i>Biomedicines</i> , 2022, 10, 1086.	1.4	17
691	A Concise Sar-Analysis of Antimicrobial Cationic Amphipathic Barbiturates for an Improved Activity-Toxicity Profile. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
693	Optimization of Antibacterial Activity in Tibetan Swine Î±-Helix Peptide TP by Site-Directed Mutagenesis. <i>Frontiers in Microbiology</i> , 0, 13, .	1.5	2
694	Design, synthesis, and biological evaluation of membrane-active honokiol derivatives as potent antibacterial agents. <i>European Journal of Medicinal Chemistry</i> , 2022, 240, 114593.	2.6	5
695	CXCL20a, a bactericidal chemokine, consists of four structural fragments with potent bactericidal activity. <i>Aquaculture</i> , 2022, 561, 738633.	1.7	2
696	A Novel Disease (Water Bubble Disease) of the Giant Freshwater Prawn <i>Macrobrachium rosenbergii</i> Caused by <i>Citrobacter freundii</i> : Antibiotic Treatment and Effects on the Antioxidant Enzyme Activity and Immune Responses. <i>Antioxidants</i> , 2022, 11, 1491.	2.2	9
697	Bps polysaccharide of <i>Bordetella pertussis</i> resists antimicrobial peptides by functioning as a dual surface shield and decoy and converts <i>Escherichia coli</i> into a respiratory pathogen. <i>PLoS Pathogens</i> , 2022, 18, e1010764.	2.1	5
698	Immobilization Systems of Antimicrobial Peptide Ibâ™M1 in Polymeric Nanoparticles Based on Alginate and Chitosan. <i>Polymers</i> , 2022, 14, 3149.	2.0	4
699	Antimicrobial peptides: On future antiprotozoal and anthelmintic applications. <i>Acta Tropica</i> , 2022, 235, 106665.	0.9	7
700	Complex electrostatic effects on the selectivity of membrane-permeabilizing cyclic lipopeptides. <i>Biophysical Journal</i> , 2023, 122, 950-963.	0.2	2
701	A concise SAR-analysis of antimicrobial cationic amphipathic barbiturates for an improved activity-toxicity profile. <i>European Journal of Medicinal Chemistry</i> , 2022, 241, 114632.	2.6	5
702	Antimicrobial peptides: A promising tool to combat multidrug resistance in SARS CoV2 era. <i>Microbiological Research</i> , 2022, 265, 127206.	2.5	5
703	Brevinin-2PN, an antimicrobial peptide identified from dark-spotted frog (<i>Pelophylax nigromaculatus</i>), exhibits wound-healing activity. <i>Developmental and Comparative Immunology</i> , 2022, 137, 104519.	1.0	4
704	Anticryptococcal Activity and Mechanistic Investigation of Histidine-Rich Short Peptides. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
705	The current research status and strategies employed to modify food-derived bioactive peptides. <i>Frontiers in Nutrition</i> , 0, 9, .	1.6	6
706	Regulation of LL-37 in Bone and Periodontium Regeneration. <i>Life</i> , 2022, 12, 1533.	1.1	5

#	ARTICLE	IF	CITATIONS
707	Inhibitory and bactericidal activities analysis of a type Ila crustin from the swimming crab, <i>Portunus trituberculatus</i> . <i>Aquaculture</i> , 2023, 563, 739001.	1.7	1
708	Hyaluronan-cecropin B interactions studied by ultrasound velocimetry and isothermal titration calorimetry. <i>International Journal of Biological Macromolecules</i> , 2023, 227, 786-794.	3.6	1
709	Anticryptococcal activity and mechanistic investigation of histidine-rich short peptides. <i>Journal of Molecular Structure</i> , 2023, 1276, 134813.	1.8	2
710	Chronic toxicity of shrimp feed added with silver nanoparticles (Argovit-4®) in <i>Litopenaeus vannamei</i> and immune response to white spot syndrome virus infection. <i>PeerJ</i> , 0, 10, e14231.	0.9	0
711	A Series of Dipeptide Derivatives Containing (S)-5-oxo-2-pyrrolidine-carboxylic acid Conjugates: Design, Solid-Phase Peptide Synthesis, <i>in vitro</i> Biological Evaluation, and Molecular Docking Studies. <i>ChemistrySelect</i> , 2022, 7, .	0.7	7
712	Large scale peptide screening against main protease of SARS CoV-2. <i>Journal of Computational Chemistry</i> , 2023, 44, 887-901.	1.5	2
713	Synthetic Biology's Latest Trends in Antimicrobial Resistance and Biofilm. <i>Journal of Pure and Applied Microbiology</i> , 0, , .	0.3	0
714	DMSO-Induced Unfolding of the Antifungal Disulfide Protein PAF and Its Inactive Variant: A Combined NMR and DSC Study. <i>International Journal of Molecular Sciences</i> , 2023, 24, 1208.	1.8	2
715	Anticryptococcal activity and mechanistic studies of short amphipathic peptides. <i>Archiv Der Pharmazie</i> , 2023, 356, .	2.1	2
716	Preventing Respiratory Viral Diseases with Antimicrobial Peptide Master Regulators in the Lung Airway Habitat. <i>Clinics and Practice</i> , 2023, 13, 125-147.	0.6	4
717	Recent Approaches for Downplaying Antibiotic Resistance: Molecular Mechanisms. <i>BioMed Research International</i> , 2023, 2023, 1-27.	0.9	8
718	Mammalian antimicrobial peptides. , 2023, , 171-195.		0
719	Antimicrobial peptides: features and modes of action. , 2023, , 33-65.		0
720	Molecular identification of a novel antimicrobial peptide in giant Triton snail <i>Charonia tritonis</i> : mRNA profiles for tissues and its potential antibacterial activity. <i>Fish and Shellfish Immunology</i> , 2023, 136, 108734.	1.6	1
721	Industrial backgrounds and microbes growth. , 2023, , 141-217.		0
722	Synthetic amino acids-based short amphipathic peptides exhibit antifungal activity by targeting cell membrane disruption. <i>Drug Development Research</i> , 2023, 84, 514-526.	1.4	1
723	Host defence peptide LEAP2 contributes to antimicrobial activity in a mustache toad (<i>Leptobranchium</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tt	0.7	6
724	Immune diversity in lophotrochozoans, with a focus on recognition and effector systems. <i>Computational and Structural Biotechnology Journal</i> , 2023, 21, 2262-2275.	1.9	3

#	ARTICLE	IF	CITATIONS
725	Chlamydomonas reinhardtii-derived mytichitin-CB/hispidalin chimera efficiently inhibits the growth of bacteria by disrupting their membrane integrity. Process Biochemistry, 2023, 130, 379-385.	1.8	1
730	Dual functional therapeutics: mitigating bacterial infection and associated inflammation. RSC Medicinal Chemistry, 0, , .	1.7	0
734	Influence of connatural factors in shaping vaginal microflora and ensuring its health. Archives of Gynecology and Obstetrics, 2024, 309, 871-886.	0.8	0