

A Review of Antimicrobial Peptides and Their Therapeutic

Current Eye Research

30, 505-515

DOI: 10.1080/02713680590968637

Citation Report

#	ARTICLE	IF	CITATIONS
1	Adenovirus-Directed Ocular Innate Immunity: The Role of Conjunctival Defensin-like Chemokines (IP-10,) Tj ETQq0 0 0 rgBT /Overlock 1037		
2	Effect of induced expression of an antimicrobial peptide melittin on Chlamydia trachomatis and Mycoplasma hominis infections in vivo. Biochemical and Biophysical Research Communications, 2005, 338, 946-950.	2.1	19
3	Investigating molecular recognition and biological function at interfaces using piscidins, antimicrobial peptides from fish. Biochimica Et Biophysica Acta - Biomembranes, 2006, 1758, 1359-1372.	2.6	69
4	Potent anti-HIV activity of scytovirin domain 1 peptide. Peptides, 2006, 27, 1668-1675.	2.4	43
5	Human β^2 -defensins. Cellular and Molecular Life Sciences, 2006, 63, 1294-1313.	5.4	442
6	Antiplasmodial Activity of Lauryl-Lysine Oligomers. Antimicrobial Agents and Chemotherapy, 2007, 51, 1753-1759.	3.2	38
7	Antimicrobial Peptides in Oral Cancer. Current Pharmaceutical Design, 2007, 13, 3119-3130.	1.9	31
8	Structure of the antimicrobial β^2 -hairpin peptide protegrin-1 in a DLPC lipid bilayer investigated by molecular dynamics simulation. Biochimica Et Biophysica Acta - Biomembranes, 2007, 1768, 509-520.	2.6	56
9	The interplay of innate immunity, adaptive immunity, and autoimmunity. Journal of the American Academy of Dermatology, 2007, 57, 700-701.	1.2	2
10	Interaction mode of a symmetric Trp-rich undeca peptide PST11-RK with lipid bilayers. FEBS Letters, 2007, 581, 157-163.	2.8	17
11	Antimicrobial properties of a lipid interactive β^2 -helical peptide VP1 against Staphylococcus aureus bacteria. Biophysical Chemistry, 2007, 129, 279-283.	2.8	9
12	Factors affecting antimicrobial activity of MUC7 12-mer, a human salivary mucin-derived peptide. Annals of Clinical Microbiology and Antimicrobials, 2007, 6, 14.	3.8	38
13	Novel alternatives to antibiotics: bacteriophages, bacterial cell wall hydrolases, and antimicrobial peptides. Journal of Applied Microbiology, 2007, 104, 070802123828004-???	3.1	217
14	Antimicrobial peptides: an overview of a promising class of therapeutics. Open Life Sciences, 2007, 2, 1-33.	1.4	323
15	Defensins: Antimicrobial peptides for therapeutic development. Biotechnology Journal, 2007, 2, 1353-1359.	3.5	49
16	Cationic host defence peptides: Innate immune regulatory peptides as a novel approach for treating infections. Cellular and Molecular Life Sciences, 2007, 64, 922-933.	5.4	374
17	Application of the Suzuki-Miyaura cross-coupling to increase antimicrobial potency generates promising novel antibacterials. Bioorganic and Medicinal Chemistry Letters, 2007, 17, 2361-2364.	2.2	43
18	Antimicrobial peptides: natural templates for synthetic membrane-active compounds. Cellular and Molecular Life Sciences, 2008, 65, 2450-2460.	5.4	154

#	ARTICLE	IF	CITATIONS
19	Clinical features and treatment of adenovirus infections. <i>Reviews in Medical Virology</i> , 2008, 18, 357-374.	8.3	210
20	Functional and structural characterization of apidaecin and its N-terminal and C-terminal fragments. <i>Journal of Peptide Science</i> , 2008, 14, 697-707.	1.4	13
21	Research advances in the development of peptide antibiotics. <i>Journal of Pharmaceutical Sciences</i> , 2008, 97, 1060-1070.	3.3	63
22	Linear Analogues of Human α -Defensin 3: Concepts for Design of Antimicrobial Peptides with Reduced Cytotoxicity to Mammalian Cells. <i>ChemBioChem</i> , 2008, 9, 964-973.	2.6	73
23	Structure-Activity Relationships of Antibacterial Acyl-Lysine Oligomers. <i>Chemistry and Biology</i> , 2008, 15, 354-362.	6.0	60
24	ANTIBACTERIAL ACTIVITY OF <i>ASPONGOPUS VIDUATUS</i> (MELON BUG) OIL. <i>Journal of Food Safety</i> , 2008, 28, 577-586.	2.3	13
25	Fusion Expression of Antimicrobial Peptide GK1 in <i>Escherichia coli</i> . <i>Shengwu Gongcheng Xuebao/Chinese Journal of Biotechnology</i> , 2008, 24, 21-26.	0.2	8
26	Antimicrobial peptides and bacteriocins: alternatives to traditional antibiotics. <i>Animal Health Research Reviews</i> , 2008, 9, 227-235.	3.1	211
27	In vitro activity of omiganan pentahydrochloride tested against vancomycin-tolerant, -intermediate, and -resistant <i>Staphylococcus aureus</i> . <i>Diagnostic Microbiology and Infectious Disease</i> , 2008, 60, 399-403.	1.8	21
28	Properties and Applications of Antimicrobial Peptides in Biodefense Against Biological Warfare Threat Agents. <i>Critical Reviews in Microbiology</i> , 2008, 34, 89-107.	6.1	49
29	Analogous oligoacyl-L-lysines with distinct antibacterial mechanisms. <i>FASEB Journal</i> , 2008, 22, 2652-2661.	0.5	61
30	Antimicrobial activity of omiganan pentahydrochloride tested against contemporary bacterial pathogens commonly responsible for catheter-associated infections. <i>Journal of Antimicrobial Chemotherapy</i> , 2008, 61, 1092-1098.	3.0	44
31	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.	3.2	84
32	Antimicrobial Activity of Omiganan Pentahydrochloride against Contemporary Fungal Pathogens Responsible for Catheter-Associated Infections. <i>Antimicrobial Agents and Chemotherapy</i> , 2008, 52, 1187-1189.	3.2	43
34	Antibacterial Properties and Mode of Action of a Short Acyl-Lysyl Oligomer. <i>Antimicrobial Agents and Chemotherapy</i> , 2009, 53, 3422-3429.	3.2	20
35	Selective reciprocity in antimicrobial activity versus cytotoxicity of hBD-2 and crotamine. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 14972-14977.	7.1	97
36	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.	3.2	83
37	Influence of Antidrug Antibodies on Plectasin Efficacy and Pharmacokinetics. <i>Antimicrobial Agents and Chemotherapy</i> , 2009, 53, 4794-4800.	3.2	20

#	ARTICLE	IF	CITATIONS
38	How Nature Morphs Peptide Scaffolds into Antibiotics. ChemBioChem, 2009, 10, 34-53.	2.6	111
39	Lasioglossins: Three Novel Antimicrobial Peptides from the Venom of the Eusocial Bee <i>Lasioglossum laticeps</i> (Hymenoptera: Halictidae). ChemBioChem, 2009, 10, 2089-2099.	2.6	81
40	Interactions of KLA Amphipathic Model Peptides with Lipid Monolayers. ChemBioChem, 2009, 10, 2884-2892.	2.6	21
41	Application of antimicrobial peptides in agriculture and food industry. World Journal of Microbiology and Biotechnology, 2009, 25, 933-944.	3.6	128
42	Effect of structural parameters of peptides on dimer formation and highly oxidized side products in the oxidation of thiols of linear analogues of human α -defensin 3 by DMSO. Journal of Peptide Science, 2009, 15, 95-106.	1.4	20
43	Antimicrobial peptides of the oral cavity. Periodontology 2000, 2009, 51, 152-180.	13.4	140
44	Design and Characterization of a Broad -Spectrum Bactericidal Acyl-lysyl Oligomer. Chemistry and Biology, 2009, 16, 1250-1258.	6.0	26
45	Comprehensive Defensin Assay for Saliva. Analytical Chemistry, 2009, 81, 557-566.	6.5	21
46	Antimicrobial peptide mimics for improved therapeutic properties. Biochimica Et Biophysica Acta - Biomembranes, 2009, 1788, 1582-1592.	2.6	247
47	Buforins: Histone H2A-derived antimicrobial peptides from toad stomach. Biochimica Et Biophysica Acta - Biomembranes, 2009, 1788, 1564-1569.	2.6	186
48	Peptide induced demixing in PG/PE lipid mixtures: A mechanism for the specificity of antimicrobial peptides towards bacterial membranes?. Biochimica Et Biophysica Acta - Biomembranes, 2009, 1788, 650-659.	2.6	137
49	Using reduced amino acid composition to predict defensin family and subfamily: Integrating similarity measure and structural alphabet. Peptides, 2009, 30, 1788-1793.	2.4	45
50	Comparative Molecular Dynamics Simulation Studies of Protegrin-1 Monomer and Dimer in Two Different Lipid Bilayers. Biophysical Journal, 2009, 97, 787-795.	0.5	18
51	Wound Management in Amphibians: Etiology and Treatment of Cutaneous Lesions. Journal of Exotic Pet Medicine, 2009, 18, 20-35.	0.4	19
53	Host Defense Peptides: Bridging Antimicrobial and Immunomodulatory Activities*. , 2010, , 175-216.		2
54	Isolation and sequence analysis of peptides from the skin secretion of the Middle East tree frog <i>Hyla savignyi</i> . Analytical and Bioanalytical Chemistry, 2010, 398, 2853-2865.	3.7	5
55	Novel antimicrobial peptides from the venom of the eusocial bee <i>Halictus sexcinctus</i> (Hymenoptera: Tj ETQq0 0 0 rgBT /Overlock 10 Tf	2.7	56
56	Protegrin-1 orientation and physicochemical properties in membrane bilayers studied by potential of mean force calculations. Journal of Computational Chemistry, 2010, 31, 2859-2867.	3.3	20

#	ARTICLE	IF	CITATIONS
57	Divorcing folding from function: How acylation affects the membrane-perturbing properties of an antimicrobial peptide. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2010, 1804, 806-820.	2.3	21
58	Tunable Vancomycin Releasing Surfaces for Biomedical Applications. <i>Small</i> , 2010, 6, 2392-2404.	10.0	85
59	Characterization of a peptide family from the skin secretion of the Middle East Tree Frog <i>Hyla savignyi</i> by composition-based <i>de novo</i> sequencing. <i>Rapid Communications in Mass Spectrometry</i> , 2010, 24, 2885-2899.	1.5	13
60	Evidence for synergism of the antimicrobial peptide piscidin 2 with antiparasitic and antioomycete drugs. <i>Journal of Fish Diseases</i> , 2010, 33, 995-1003.	1.9	28
61	Antimicrobial peptides and their use in medicine. <i>Applied Biochemistry and Microbiology</i> , 2010, 46, 803-814.	0.9	34
62	New Perspectives on Innovative Drug Discovery: An Overview. <i>Journal of Pharmacy and Pharmaceutical Sciences</i> , 2010, 13, 450.	2.1	37
63	Experimental Conditions That Enhance Potency of an Antibacterial Oligo-Acyl-Lysyl. <i>Antimicrobial Agents and Chemotherapy</i> , 2010, 54, 2590-2595.	3.2	18
64	Antimicrobial peptides expression by ocular surface cells in response to <i>Acanthamoeba castellanii</i> : an in vitro study. <i>British Journal of Ophthalmology</i> , 2010, 94, 1523-1527.	3.9	31
65	A novel tetrabranched antimicrobial peptide that neutralizes bacterial lipopolysaccharide and prevents septic shock <i>in vivo</i> . <i>FASEB Journal</i> , 2010, 24, 1015-1022.	0.5	66
66	An Antibody as Surrogate Receptor Reveals Determinants of Activity of an Innate Immune Peptide Antibiotic. <i>Journal of Biological Chemistry</i> , 2010, 285, 35750-35758.	3.4	6
67	Development of Novel Therapeutic Drugs in Humans from Plant Antimicrobial Peptides. <i>Current Protein and Peptide Science</i> , 2010, 11, 236-247.	1.4	23
68	Péptidos antimicrobianos. <i>Infectio</i> , 2010, 14, 55-67.	0.4	11
69	OAK-based cochleates as a novel approach to overcome multidrug resistance in bacteria. <i>FASEB Journal</i> , 2010, 24, 5092-5101.	0.5	27
70	Interaction of the antimicrobial peptide melimine with bacterial membranes. <i>International Journal of Antimicrobial Agents</i> , 2010, 35, 566-572.	2.5	54
71	Cationic Antimicrobial Peptides: A Physical Basis For Their Selective Membrane-Disrupting Activity. <i>Biophysical Journal</i> , 2010, 98, 82a.	0.5	0
72	Prevention of biofilm formation on titanium surfaces modified with conjugated molecules comprised of antimicrobial and titanium-binding peptides. <i>Biofouling</i> , 2010, 26, 103-110.	2.2	94
73	Structural contributions to the intracellular targeting strategies of antimicrobial peptides. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2010, 1798, 1934-1943.	2.6	63
74	Membrane aggregation and perturbation induced by antimicrobial peptide of S-thanatin. <i>Biochemical and Biophysical Research Communications</i> , 2010, 395, 31-35.	2.1	28

#	ARTICLE	IF	CITATIONS
75	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.	2.4	36
76	Effects of Trp- and Arg-Containing Antimicrobial-Peptide Structure on Inhibition of <i>Escherichia coli</i> Planktonic Growth and Biofilm Formation. <i>Applied and Environmental Microbiology</i> , 2010, 76, 1967-1974.	3.1	41
78	High Potency and Broad-Spectrum Antimicrobial Peptides Synthesized via Ring-Opening Polymerization of α -Amino acid- α -carboxyanhydrides. <i>Biomacromolecules</i> , 2010, 11, 60-67.	5.4	155
79	Cationic antimicrobial peptides: a physical basis for their selective membrane-disrupting activity. <i>Soft Matter</i> , 2010, 6, 1933.	2.7	14
80	Mechanisms Mediating Bactericidal Properties and Conditions That Enhance the Potency of a Broad-Spectrum Oligo-Acyl-Lysyl. <i>Antimicrobial Agents and Chemotherapy</i> , 2011, 55, 688-695.	3.2	16
81	Study of the antimicrobial peptide indolicidin and mutants in eukaryotic modelled membrane by molecular dynamics simulations. <i>Molecular Physics</i> , 2011, 109, 289-300.	1.7	2
82	Membrane-damaging activity of Taiwan cobra cardiotoxin 3 is responsible for its bactericidal activity. <i>Toxicon</i> , 2011, 58, 46-53.	1.6	37
83	Effects of Side Group Functionality and Molecular Weight on the Activity of Synthetic Antimicrobial Polypeptides. <i>Biomacromolecules</i> , 2011, 12, 1666-1674.	5.4	130
84	Production of transgenic mice carrying the Thanatin gene by intratesticular injection. <i>Biochemical and Biophysical Research Communications</i> , 2011, 415, 429-433.	2.1	4
85	The Binding of an Amphipathic Peptide to Lipid Monolayers at the Air/Water Interface Is Modulated by the Lipid Headgroup Structure. <i>Langmuir</i> , 2011, 27, 2811-2818.	3.5	25
86	Obtaining antimicrobial peptides by controlled peptic hydrolysis of bovine hemoglobin. <i>International Journal of Biological Macromolecules</i> , 2011, 49, 143-153.	7.5	74
87	A new natural α -helical peptide from the venom of the scorpion <i>Heterometrus petersii</i> kills HCV. <i>Peptides</i> , 2011, 32, 11-19.	2.4	68
88	Determination of a new antibacterial peptide S-thanatin in rat plasma by an indirect-ELISA. <i>Peptides</i> , 2011, 32, 1484-1487.	2.4	10
89	Bactericidal effect of <i>Naja nigricollis</i> toxin β 3 is related to its membrane-damaging activity. <i>Peptides</i> , 2011, 32, 1755-1763.	2.4	14
90	Discovery and development of a synthetic peptide derived from lactoferrin for clinical use. <i>Peptides</i> , 2011, 32, 1953-1963.	2.4	75
91	Horizon scan of global conservation issues for 2011. <i>Trends in Ecology and Evolution</i> , 2011, 26, 10-16.	8.7	213
92	Structure and antimicrobial properties of multivalent short peptides. <i>MedChemComm</i> , 2011, 2, 308.	3.4	34
93	Morphological Changes Induced by the Action of Antimicrobial Peptides on Supported Lipid Bilayers. <i>Journal of Physical Chemistry B</i> , 2011, 115, 158-167.	2.6	33

#	ARTICLE	IF	CITATIONS
94	Antimicrobial Biomimetics. , 0, , .		1
98	Defensins: Key Molecules in Ocular Surface Protection. Current Immunology Reviews, 2011, 7, 295-307.	1.2	0
99	Antimicrobial peptides and periodontal disease. Journal of Clinical Periodontology, 2011, 38, 126-141.	4.9	145
100	Biodegradable nanostructures with selective lysis of microbial membranes. Nature Chemistry, 2011, 3, 409-414.	13.6	522
101	De novo generation of short antimicrobial peptides with simple amino acid composition. Regulatory Peptides, 2011, 166, 36-41.	1.9	53
102	Antimicrobial peptides: the mode of action and perspectives of practical application. Biochemistry (Moscow) Supplement Series B: Biomedical Chemistry, 2011, 5, 95-102.	0.4	5
103	The antifungal effect of peptides from hymenoptera venom and their analogs. Open Life Sciences, 2011, 6, 150-159.	1.4	10
104	Revisiting Peptide Amphiphilicity for Membrane Pore Formation. Biochemistry, 2011, 50, 9409-9420.	2.5	15
105	Activity Optimization of an Undecapeptide Analogue Derived from a Frog-Skin Antimicrobial Peptide. Molecules and Cells, 2011, 31, 49-54.	2.6	22
106	QCM-D fingerprinting of membrane-active peptides. European Biophysics Journal, 2011, 40, 437-446.	2.2	108
107	Covalent immobilization of antimicrobial peptides (AMPs) onto biomaterial surfaces. Acta Biomaterialia, 2011, 7, 1431-1440.	8.3	510
109	The Generation of Antimicrobial Peptide Activity: A Trade-off between Charge and Aggregation?. Angewandte Chemie - International Edition, 2011, 50, 10686-10689.	13.8	55
110	â€œClickâ€•Immobilization on Alkylated Silicon Substrates: Model for the Study of Surface Bound Antimicrobial Peptides. Chemistry - A European Journal, 2011, 17, 2656-2665.	3.3	36
111	Antiplasmodial Properties of Acyl-Lysyl Oligomers in Culture and Animal Models of Malaria. Antimicrobial Agents and Chemotherapy, 2011, 55, 3803-3811.	3.2	10
112	Antimicrobial properties of the skin secretions of frogs. South African Journal of Science, 2012, 108, .	0.7	19
113	Antibacterial activity of the venom of Heterometrus xanthopus. Indian Journal of Pharmacology, 2012, 44, 509.	0.7	21
114	Antibacterial Activity of Tissues of Bivalve Molluscs Available on Polish Market. Bulletin of the Veterinary Institute in Pulawy = Biuletyn Instytutu Weterynarii W Pulawach, 2012, 56, 569-571.	0.4	4
115	Conformational Flexibility Determines Selectivity and Antibacterial, Antiplasmodial, and Anticancer Potency of Cationic Î±-Helical Peptides*. Journal of Biological Chemistry, 2012, 287, 34120-34133.	3.4	78

#	ARTICLE	IF	CITATIONS
116	Identification and Design of Antimicrobial Peptides for Therapeutic Applications. <i>Current Protein and Peptide Science</i> , 2012, 13, 211-223.	1.4	43
117	New Developments in Inhaled Antibiotics for the Treatment of <i>Pseudomonas aeruginosa</i> . <i>Current Pharmaceutical Design</i> , 2012, 18, 683-695.	1.9	10
118	Antimicrobial Peptides for Therapeutic Applications: A Review. <i>Molecules</i> , 2012, 17, 12276-12286.	3.8	391
119	Phylogenetic Analysis of the First Isolate of Polish H1N2 Swine Influenza Virus. <i>Bulletin of the Veterinary Institute in Pulawy = Biuletyn Instytutu Weterynarii W Pulawach</i> , 2012, 56, 419-662.	0.4	2
120	Antimicrobial Peptide Action on Parasites. <i>Current Drug Targets</i> , 2012, 13, 1138-1147.	2.1	97
121	Direct and Indirect Antimicrobial Activities of Neuropeptides and their Therapeutic Potential. <i>Current Protein and Peptide Science</i> , 2012, 13, 723-738.	1.4	66
122	Rapid microwave-assisted solution-phase peptide synthesis. <i>Tetrahedron Letters</i> , 2012, 53, 6931-6935.	1.4	31
123	Antimicrobial peptides and their potential application in inflammation and sepsis. <i>Critical Care</i> , 2012, 16, 207.	5.8	71
124	Mechanism of action and specificity of antimicrobial peptides designed based on buforin IIb. <i>Peptides</i> , 2012, 34, 283-289.	2.4	53
125	Two novel antimicrobial peptides purified from the symbiotic bacteria <i>Xenorhabdus budapestensis</i> NMC-10. <i>Peptides</i> , 2012, 35, 253-260.	2.4	29
126	Subacute toxicity of antimicrobial peptide S-thanatin in ICR mice. <i>Peptides</i> , 2012, 36, 109-113.	2.4	11
127	Two novel families of antimicrobial peptides from skin secretions of the Chinese torrent frog, <i>Amolops jingdongensis</i> . <i>Biochimie</i> , 2012, 94, 328-334.	2.6	20
128	Synthesis and characterization of the 47 th residue heterodimeric antimicrobial peptide distinctin, featuring directed disulfide bridge formation. <i>Biopolymers</i> , 2012, 98, 479-484.	2.4	6
129	Antistaphylococcal activity of bacteriophage derived chimeric protein P128. <i>BMC Microbiology</i> , 2012, 12, 41.	3.3	52
130	EnzyBase: a novel database for enzybiotic studies. <i>BMC Microbiology</i> , 2012, 12, 54.	3.3	27
131	Biochemical characterization and evaluation of cytotoxicity of antistaphylococcal chimeric protein P128. <i>BMC Research Notes</i> , 2012, 5, 280.	1.4	18
132	Designing antimicrobial peptides: form follows function. <i>Nature Reviews Drug Discovery</i> , 2012, 11, 37-51.	46.4	1,578
133	Cathelicidins: family of antimicrobial peptides. A review. <i>Molecular Biology Reports</i> , 2012, 39, 10957-10970.	2.3	418

#	ARTICLE	IF	CITATIONS
134	Bactericidal activity against meticillin-resistant <i>Staphylococcus aureus</i> of a novel eukaryotic therapeutic recombinant antimicrobial peptide. <i>International Journal of Antimicrobial Agents</i> , 2012, 39, 496-499.	2.5	7
135	Microbial synthetic biology for human therapeutics. <i>Systems and Synthetic Biology</i> , 2012, 6, 9-22.	1.0	9
136	Expression, purification and antimicrobial activity of puroindoline A protein and its mutants. <i>Amino Acids</i> , 2012, 43, 1689-1696.	2.7	20
137	Panning of a Phage Display Library against a Synthetic Capsule for Peptide Ligands That Bind to the Native Capsule of <i>Bacillus anthracis</i> . <i>PLoS ONE</i> , 2012, 7, e45472.	2.5	7
138	Prediction and Rational Design of Antimicrobial Peptides. , 2012, , .		9
139	La flore microbienne et les propri��t��s fonctionnelles des yaourts et laits ferment��s. <i>International Journal of Biological and Chemical Sciences</i> , 2012, 5, 2057.	0.2	6
140	Antimicrobial peptides: key components of the innate immune system. <i>Critical Reviews in Biotechnology</i> , 2012, 32, 143-171.	9.0	576
141	Identification and Characterization of Novel Antibacterial Peptides from Skin Secretions of <i>Euphyctis cyanophlyctis</i> . <i>International Journal of Peptide Research and Therapeutics</i> , 2012, 18, 107-115.	1.9	17
142	Antimicrobial peptides: Their physicochemical properties and therapeutic application. <i>Archives of Pharmacal Research</i> , 2012, 35, 409-413.	6.3	66
143	Comparison of in vitro antibacterial activities of two cationic peptides CM15 and CM11 against five pathogenic bacteria: <i>Pseudomonas aeruginosa</i> , <i>Staphylococcus aureus</i> , <i>Vibrio cholerae</i> , <i>Acinetobacter baumannii</i> , and <i>Escherichia coli</i> . <i>Probiotics and Antimicrobial Proteins</i> , 2012, 4, 133-139.	3.9	36
144	Antibacterial surfaces developed from bio-inspired approaches. <i>Acta Biomaterialia</i> , 2012, 8, 1670-1684.	8.3	310
145	Compositional modification of nascentin vitrodental plaques by human host-defence peptides. <i>FEMS Immunology and Medical Microbiology</i> , 2012, 64, 374-381.	2.7	8
146	Highly dynamic biodegradable micelles capable of lysing Gram-positive and Gram-negative bacterial membrane. <i>Biomaterials</i> , 2012, 33, 1146-1153.	11.4	159
147	Antimicrobial Peptides and Innate Immunity. , 2013, , .		11
148	Genomic characterization, expression analysis, and antimicrobial function of a glyrichin homologue from rock bream, <i>Oplegnathus fasciatus</i> . <i>Fish and Shellfish Immunology</i> , 2013, 35, 1406-1415.	3.6	16
149	Advances in MRSA drug discovery: where are we and where do we need to be?. <i>Expert Opinion on Drug Discovery</i> , 2013, 8, 1095-1116.	5.0	47
150	Structural characterization of the model amphipathic peptide Ac-LKKLLKLLKLLKL-NH ₂ in aqueous solution and with 2,2,2-trifluoroethanol and 1,1,1,3,3,3-hexafluoroisopropanol. <i>Canadian Journal of Chemistry</i> , 2013, 91, 406-413.	1.1	10
151	Brucin, an antibacterial peptide derived from fruit protein of <i>Fructus Bruceae</i> , <i>Brucea javanica</i> (L.) Merr. <i>Letters in Applied Microbiology</i> , 2013, 57, 129-136.	2.2	15

#	ARTICLE	IF	CITATIONS
153	Antibacterial and membrane-damaging activities of <i>Î²</i> -bungarotoxin B chain. Journal of Peptide Science, 2013, 19, 1-8.	1.4	17
154	Structural and functional studies on a proline-rich peptide isolated from swine saliva endowed with antifungal activity towards <i>Cryptococcus neoformans</i> . Biochimica Et Biophysica Acta - Biomembranes, 2013, 1828, 1066-1074.	2.6	14
155	Piscidins in the intestine of European perch, <i>Perca fluviatilis</i> , naturally infected with an enteric worm. Fish and Shellfish Immunology, 2013, 35, 1539-1546.	3.6	29
156	Divalent cations modulate membrane binding and pore formation of a potent antibiotic peptide analog of alamethicin. Cell Calcium, 2013, 53, 180-186.	2.4	36
157	Antimicrobial Peptides Produced by Microorganisms. , 2013, , 53-95.		7
158	Structure and Function of a Potent Lipopolysaccharide-Binding Antimicrobial and Anti-inflammatory Peptide. Journal of Medicinal Chemistry, 2013, 56, 3546-3556.	6.4	82
159	Comparing bacterial membrane interactions and antimicrobial activity of porcine lactoferricin-derived peptides. Journal of Dairy Science, 2013, 96, 3471-3487.	3.4	38
160	Snake venoms: attractive antimicrobial proteinaceous compounds for therapeutic purposes. Cellular and Molecular Life Sciences, 2013, 70, 4645-4658.	5.4	56
161	Investigation of the role of tryptophan residues in cationic antimicrobial peptides to determine the mechanism of antimicrobial action. Journal of Applied Microbiology, 2013, 115, 663-672.	3.1	73
162	The anti-inflammatory effect of the synthetic antimicrobial peptide 19-2.5 in a murine sepsis model: a prospective randomized study. Critical Care, 2013, 17, R3.	5.8	41
163	Guanylated Polymethacrylates: A Class of Potent Antimicrobial Polymers with Low Hemolytic Activity. Biomacromolecules, 2013, 14, 4021-4031.	5.4	174
164	Manipulation of the tyrothricin production profile of <i>Bacillus aneurinolyticus</i> . Microbiology (United Kingdom), 2013, 159, 2200-2211.	1.8	17
165	Structure-Activity Relations of Myxinidin, an Antibacterial Peptide Derived from the Epidermal Mucus of Hagfish. Antimicrobial Agents and Chemotherapy, 2013, 57, 5665-5673.	3.2	37
166	Human β -Defensin 2 Is a Novel Opener of Ca^{2+} -Activated Potassium Channels and Induces Vasodilation and Hypotension in Monkeys. Hypertension, 2013, 62, 415-425.	2.7	27
167	Prediction of Antimicrobial Activity of Synthetic Peptides by a Decision Tree Model. Applied and Environmental Microbiology, 2013, 79, 3156-3159.	3.1	25
168	Antimicrobial Lactoferrin Peptides: The Hidden Players in the Protective Function of a Multifunctional Protein. International Journal of Peptides, 2013, 2013, 1-12.	0.7	98
169	Identification and polymorphism discovery of the cathelicidins, Lf α -CATHs in ranid amphibian (<i>Limnonectes fragilis</i>). FEBS Journal, 2013, 280, 6022-6032.	4.7	29
170	Interaction of antimicrobial peptide Plantaricin149a and four analogs with lipid bilayers and bacterial membranes. Brazilian Journal of Microbiology, 2013, 44, 1291-1298.	2.0	2

#	ARTICLE	IF	CITATIONS
171	A Technology for Developing Synbodies with Antibacterial Activity. PLoS ONE, 2013, 8, e54162.	2.5	16
172	Current and Future Approaches to the Prevention and Treatment of Staphylococcal Medical Device-Related Infections. Current Pharmaceutical Design, 2014, 21, 100-113.	1.9	60
173	Novel Anti-Microbial Peptide SR-0379 Accelerates Wound Healing via the PI3 Kinase/Akt/mTOR Pathway. PLoS ONE, 2014, 9, e92597.	2.5	43
174	Balteatide: A Novel Antimicrobial Decapeptide from the Skin Secretion of the Purple-Sided Leaf Frog, <i>Phyllomedusa baltea</i> . Scientific World Journal, The, 2014, 2014, 1-8.	2.1	3
175	Covalent modification of a ten-residue cationic antimicrobial peptide with levofloxacin. Frontiers in Chemistry, 2014, 2, 71.	3.6	17
176	Antimicrobial Activity of Engineered Shrimp Ovarian Peritrophin Fragments from <i>Fenneropenaeus merguensis</i> . Protein and Peptide Letters, 2014, 22, 73-80.	0.9	3
177	Investigation of the antimicrobial and hemolytic activity of venom of some Egyptian scorpion. Journal of Microbiology and Antimicrobials, 2014, 6, 21-28.	0.1	6
178	Challenges and future prospects of antibiotic therapy: from peptides to phages utilization. Frontiers in Pharmacology, 2014, 5, 105.	3.5	104
179	Interaction of multiple biomimetic antimicrobial polymers with model bacterial membranes. Journal of Chemical Physics, 2014, 141, 084902.	3.0	39
180	Solution structures and model membrane interactions of Ctriporin, an anti- <i>methicillin</i> -resistant <i>Staphylococcus aureus</i> Peptide from Scorpion Venom. Biopolymers, 2014, 101, 1143-1153.	2.4	7
181	Antimicrobial peptides: therapeutic potentials. Expert Review of Anti-Infective Therapy, 2014, 12, 1477-1486.	4.4	167
182	Side Chain Hydrophobicity Modulates Therapeutic Activity and Membrane Selectivity of Antimicrobial Peptide Mastoparan-X. PLoS ONE, 2014, 9, e91007.	2.5	50
183	Biological activity of antibacterial peptides matches synergism between electrostatic and non electrostatic forces. Colloids and Surfaces B: Biointerfaces, 2014, 114, 363-371.	5.0	12
184	Perch liver reaction to <i>Triaenophorus nodulosus</i> plerocercoids with an emphasis on piscidins 3, 4 and proliferative cell nuclear antigen (PCNA) expression. Veterinary Parasitology, 2014, 200, 104-110.	1.8	25
185	Innate immune responses of salmonid fish to viral infections. Developmental and Comparative Immunology, 2014, 43, 160-173.	2.3	80
186	Enhanced Interaction of Shuffled Mutacin IV, an Antimicrobial Peptide of Bacterial Origin, with Surface Protein IsdB of <i>Staphylococcus aureus</i> . International Journal of Peptide Research and Therapeutics, 2014, 20, 71-76.	1.9	3
187	Cloning and Optimization of a Nisin Biosynthesis Pathway for Bacteriocin Harvest. ACS Synthetic Biology, 2014, 3, 439-445.	3.8	41
188	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. World Journal of Microbiology and Biotechnology, 2014, 30, 1533-1540.	3.6	51

#	ARTICLE	IF	CITATIONS
189	Clickable Synthetic Polypeptidesâ€”Routes to New Highly Adaptive Biomaterials. <i>Chemistry of Materials</i> , 2014, 26, 461-476.	6.7	84
190	Identification of Antimicrobial Peptides and Immobilization Strategy Suitable for a Covalent Surface Coating with Biocompatible Properties. <i>Bioconjugate Chemistry</i> , 2014, 25, 308-319.	3.6	42
191	<i>Staphylococcus aureus</i> biofilm susceptibility to small and potent β -2,2-amino acid derivatives. <i>Biofouling</i> , 2014, 30, 81-93.	2.2	15
192	Lipopolysaccharide induces amyloid formation of antimicrobial peptide HAL-2. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2014, 1838, 2910-2918.	2.6	27
193	Antimicrobial Polymethacrylates Synthesized as Mimics of Tryptophan-Rich Cationic Peptides. <i>ACS Macro Letters</i> , 2014, 3, 319-323.	4.8	88
194	Self-assembly and interactions of short antimicrobial cationic lipopeptides with membrane lipids: ITC, FTIR and molecular dynamics studies. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2014, 1838, 2625-2634.	2.6	47
195	In vitro antibacterial effect of wasp (<i>Vespa orientalis</i>) venom. <i>Journal of Venomous Animals and Toxins Including Tropical Diseases</i> , 2014, 20, 22.	1.4	23
196	Rational Design of Artificial β -Strand-Forming Antimicrobial Peptides with Biocompatible Properties. <i>Molecular Pharmaceutics</i> , 2014, 11, 3492-3502.	4.6	5
197	Antimicrobial peptides from scorpion venoms. <i>Toxicon</i> , 2014, 88, 115-137.	1.6	151
198	Purification and Modeling Amphipathic Alpha Helical Antimicrobial Peptides from Skin Secretions of <i>Scaphiophytis cyanophlyctis</i> . <i>Chemical Biology and Drug Design</i> , 2014, 83, 411-417.	3.2	14
199	Computational Investigations of Arginineâ€”Rich Peptides Interacting with Lipid Membranes. <i>Macromolecular Theory and Simulations</i> , 2015, 24, 399-406.	1.4	15
200	Analysis of Healing Effect of Alginate Sulfate Hydrogel Dressing Containing Antimicrobial Peptide on Wound Infection Caused by Methicillin-Resistant <i>Staphylococcus aureus</i> . <i>Jundishapur Journal of Microbiology</i> , 2015, 8, e28320.	0.5	27
201	Mechanisms of Antimicrobial Peptide Resistance in Gram-Negative Bacteria. <i>Antibiotics</i> , 2015, 4, 18-41.	3.7	131
202	Piscidin is Highly Active against Carbapenem-Resistant <i>Acinetobacter baumannii</i> and NDM-1-Producing <i>Klebsiella pneumoniae</i> in a Systemic Septicaemia Infection Mouse Model. <i>Marine Drugs</i> , 2015, 13, 2287-2305.	4.6	31
203	The Potential Use of Natural and Structural Analogues of Antimicrobial Peptides in the Fight against Neglected Tropical Diseases. <i>Molecules</i> , 2015, 20, 15392-15433.	3.8	46
204	Reactive Oxygen Species, Apoptosis, Antimicrobial Peptides and Human Inflammatory Diseases. <i>Pharmaceutics</i> , 2015, 8, 151-175.	3.8	112
205	Controlling Persister and Biofilm Cells of Gram-Negative Bacteria with a New 1,3,5-Triazine Derivative. <i>Pharmaceutics</i> , 2015, 8, 696-710.	3.8	24
206	Inhibitory Effects of Antimicrobial Peptides on Lipopolysaccharide-Induced Inflammation. <i>Mediators of Inflammation</i> , 2015, 2015, 1-8.	3.0	102

#	ARTICLE	IF	CITATIONS
207	Novel Prospective Treatment Options. , 2015, , .		1
208	AHTPDB: a comprehensive platform for analysis and presentation of antihypertensive peptides. Nucleic Acids Research, 2015, 43, D956-D962.	14.5	143
209	Antimicrobial peptides: Possible anti-infective agents. Peptides, 2015, 72, 88-94.	2.4	139
210	Antimicrobial peptide LL-37 on surfaces presenting carboxylate anions. Biomaterials Science, 2015, 3, 771-778.	5.4	20
211	Species specific approach to the development of web-based antimicrobial peptides prediction tool for cattle. Computers and Electronics in Agriculture, 2015, 111, 55-61.	7.7	4
212	The Antimicrobial and Antiviral Applications of Cell-Penetrating Peptides. Methods in Molecular Biology, 2015, 1324, 223-245.	0.9	34
213	Distinct profiling of antimicrobial peptide families. Bioinformatics, 2015, 31, 849-856.	4.1	25
214	Defense peptides: recent developments. Biomolecular Concepts, 2015, 6, 237-251.	2.2	18
215	Development and Application of Novel Antimicrobials in Food and Food Processing. , 2015, , 347-364.		2
216	Antibacterial and membrane-damaging activities of mannosylated bovine serum albumin. Archives of Biochemistry and Biophysics, 2015, 573, 14-22.	3.0	10
217	Anti-endotoxic and antibacterial effects of a dermal substitute coated with host defense peptides. Biomaterials, 2015, 53, 415-425.	11.4	18
218	Histopathology and the inflammatory response of European perch, <i>Perca fluviatilis</i> muscle infected with <i>Eustrongylides</i> sp. (Nematoda). Parasites and Vectors, 2015, 8, 227.	2.5	36
219	Uropathogenic <i>Escherichia coli</i> (<sc>UPEC</sc>) induced antimicrobial gene expression in the male reproductive tract of rat: evaluation of the potential of Defensin 21 to limit infection. Andrology, 2015, 3, 368-375.	3.5	17
220	Ultrastructural Assessment of Granulomas in the Liver of Perch (<i>Perca fluviatilis</i>) Infected by Tapeworm. Journal of Comparative Pathology, 2015, 152, 97-102.	0.4	13
221	A Peptide Inhibitor Derived from the Conserved Ectodomain Region of <sc>DENV</sc> Membrane (M) Protein with Activity Against Dengue Virus Infection. Chemical Biology and Drug Design, 2015, 86, 1093-1104.	3.2	32
222	Toad Poison and Drug Discovery. , 2015, , 1-22.		1
223	PredSTP: a highly accurate SVM based model to predict sequential cystine stabilized peptides. BMC Bioinformatics, 2015, 16, 210.	2.6	24
224	Feleucinâ€<sc>BO</sc> 1: A Novel Antimicrobial Nonâ€Apeptide Amide from the Skin Secretion of the Toad, <i>Bombina orientalis</i>, and Design of a Potent Broadâ€Spectrum Synthetic Analogue, Feleucinâ€<sc>K</sc>3. Chemical Biology and Drug Design, 2015, 85, 259-267.	3.2	13

#	ARTICLE	IF	CITATIONS
225	The role of microbial biofilms in prosthetic joint infections. Monthly Notices of the Royal Astronomical Society: Letters, 2015, 86, 147-158.	3.3	305
226	Endogenous antimicrobial factors in the treatment of infectious diseases. Central-European Journal of Immunology, 2016, 4, 419-425.	1.2	16
227	Elevated Concentration of Defensins in Hepatitis C Virus-Infected Patients. Journal of Immunology Research, 2016, 2016, 1-12.	2.2	6
228	Chemical immobilization of antimicrobial peptides on biomaterial surfaces. Frontiers in Bioscience - Scholar, 2016, 8, 129-142.	2.1	34
229	Breaking the Spell: Combating Multidrug Resistant "Superbugs"™. Frontiers in Microbiology, 2016, 7, 174.	3.5	98
230	Efficacy of Antibacterial Peptides Against Peptide-Resistant MRSA Is Restored by Permeabilization of Bacteria Membranes. Frontiers in Microbiology, 2016, 7, 1745.	3.5	33
231	ProInflam: a webserver for the prediction of proinflammatory antigenicity of peptides and proteins. Journal of Translational Medicine, 2016, 14, 178.	4.4	52
232	Antifungal Activity and Action Mechanism of Histatin 5-Halocidin Hybrid Peptides against Candida ssp. PLoS ONE, 2016, 11, e0150196.	2.5	45
233	Engineering Gram Selectivity of Mixed-Charge Gold Nanoparticles by Tuning the Balance of Surface Charges. Angewandte Chemie - International Edition, 2016, 55, 8610-8614.	13.8	88
234	Antimicrobial peptide (Cn-AMP2) from liquid endosperm of <i>Cocos nucifera</i> forms amyloid-like fibrillar structure. Journal of Peptide Science, 2016, 22, 201-207.	1.4	25
235	Engineering Gram Selectivity of Mixed-Charge Gold Nanoparticles by Tuning the Balance of Surface Charges. Angewandte Chemie, 2016, 128, 8752-8756.	2.0	17
236	Chitosan modified with terephthaloyl diazide as a drug delivery system. Russian Chemical Bulletin, 2016, 65, 1122-1130.	1.5	6
237	Antimicrobial Peptides in Spider Venoms. , 2016, , 361-377.		5
239	Binding of cationic peptides (KX) 4 K to DPPG bilayers. Increasing the hydrophobicity of the uncharged amino acid X drives formation of membrane bound β -sheets: A DSC and FT-IR study. Biochimica Et Biophysica Acta - Biomembranes, 2016, 1858, 1196-1206.	2.6	17
240	Sequential and Structural Aspects of Antifungal Peptides from Animals, Bacteria and Fungi Based on Bioinformatics Tools. Probiotics and Antimicrobial Proteins, 2016, 8, 85-101.	3.9	20
241	Alternatives to overcoming bacterial resistances: State-of-the-art. Microbiological Research, 2016, 191, 51-80.	5.3	202
242	Development of Antimicrobial Peptide Prediction Tool for Aquaculture Industries. Probiotics and Antimicrobial Proteins, 2016, 8, 141-149.	3.9	16
243	Anti-inflammatory and anti-endotoxin properties of peptides derived from the carboxy-terminal region of a defensin from the tick <i>Ornithodoros savignyi</i> . Journal of Peptide Science, 2016, 22, 43-51.	1.4	19

#	ARTICLE	IF	CITATIONS
244	Cytotoxicity and the effect of cationic peptide fragments against cariogenic bacteria under planktonic and biofilm conditions. <i>Biofouling</i> , 2016, 32, 995-1006.	2.2	31
245	Antimicrobial Peptide Potency is Facilitated by Greater Conformational Flexibility when Binding to Gram-negative Bacterial Inner Membranes. <i>Scientific Reports</i> , 2016, 6, 37639.	3.3	64
246	Predatory bacteria are nontoxic to the rabbit ocular surface. <i>Scientific Reports</i> , 2016, 6, 30987.	3.3	37
247	Pellino-1 derived cationic antimicrobial prawn peptide: Bactericidal activity, toxicity and mode of action. <i>Molecular Immunology</i> , 2016, 78, 171-182.	2.2	29
248	Bioinspired Polymers: Antimicrobial Polymethacrylates. <i>Australian Journal of Chemistry</i> , 2016, 69, 717.	0.9	11
249	Antimicrobial Peptides as Anti-Infectives against <i>Staphylococcus epidermidis</i> . <i>Medical Principles and Practice</i> , 2016, 25, 301-308.	2.4	25
250	<i>In Vitro</i> Evaluation of the Allergic Potential of Antibacterial Peptides: Camel and Citropin. <i>Chemical Biology and Drug Design</i> , 2016, 87, 562-568.	3.2	7
251	Virucidal activity of human α - and β -defensins against hepatitis C virus genotype 4. <i>Molecular BioSystems</i> , 2016, 12, 2785-2797.	2.9	10
252	The effects of LPS on the activity of Trp-containing antimicrobial peptides against Gram-negative bacteria and endotoxin neutralization. <i>Acta Biomaterialia</i> , 2016, 33, 153-165.	8.3	56
253	Systematic Review: Insight into Antimalarial Peptide. <i>International Journal of Peptide Research and Therapeutics</i> , 2016, 22, 325-340.	1.9	9
254	Alternatives to antibiotics—a pipeline portfolio review. <i>Lancet Infectious Diseases</i> , The, 2016, 16, 239-251.	9.1	720
255	Functional structure and antimicrobial activity of persulcatusin, an antimicrobial peptide from the hard tick <i>Ixodes persulcatus</i> . <i>Parasites and Vectors</i> , 2016, 9, 85.	2.5	19
256	Fish innate immunity against intestinal helminths. <i>Fish and Shellfish Immunology</i> , 2016, 50, 274-287.	3.6	67
257	Role of amphipathicity and hydrophobicity in the balance between hemolysis and peptide–membrane interactions of three related antimicrobial peptides. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 141, 528-536.	5.0	126
258	The lysine-peptoid hybrid LP5 maintain activity under physiological conditions and affects virulence gene expression in <i>Staphylococcus aureus</i> . <i>Peptides</i> , 2016, 78, 24-29.	2.4	2
259	Assessing the potential of four cathelicidins for the management of mouse candidiasis and <i>Candida albicans</i> biofilms. <i>Biochimie</i> , 2016, 121, 268-277.	2.6	17
260	Anti-infectives in Drug Delivery—Overcoming the Gram-Negative Bacterial Cell Envelope. <i>Current Topics in Microbiology and Immunology</i> , 2016, 398, 475-496.	1.1	9
261	Combination Effects of Antimicrobial Peptides. <i>Antimicrobial Agents and Chemotherapy</i> , 2016, 60, 1717-1724.	3.2	190

#	ARTICLE	IF	CITATIONS
262	Using adjuvants and environmental factors to modulate the activity of antimicrobial peptides. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2016, 1858, 926-935.	2.6	54
263	A New Multi-label Classifier for Identifying the Functional Types of Singleplex and Multiplex Antimicrobial Peptides. <i>International Journal of Peptide Research and Therapeutics</i> , 2016, 22, 281-287.	1.9	7
264	Antimicrobial potentials and structural disorder of human and animal defensins. <i>Cytokine and Growth Factor Reviews</i> , 2016, 28, 95-111.	7.2	60
265	Oral antimicrobial peptides: Types and role in the oral cavity. <i>Saudi Pharmaceutical Journal</i> , 2016, 24, 515-524.	2.7	122
266	Exploring the links between peptoid antibacterial activity and toxicity. <i>MedChemComm</i> , 2017, 8, 886-896.	3.4	43
267	Influence of the Length and Charge on the Activity of α -Helical Amphipathic Antimicrobial Peptides. <i>Biochemistry</i> , 2017, 56, 1680-1695.	2.5	83
268	Preparation of an antimicrobial surface by direct assembly of antimicrobial peptide with its surface binding activity. <i>Journal of Materials Chemistry B</i> , 2017, 5, 2407-2415.	5.8	24
269	Antibacterial activity of novel peptide derived from Cry1Ab16 toxin and development of LbL films for foodborne pathogens control. <i>Materials Science and Engineering C</i> , 2017, 75, 503-509.	7.3	8
271	Antimicrobial peptide-inspired NH125 analogues: bacterial and fungal biofilm-eradicating agents and rapid killers of MRSA persisters. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 5503-5512.	2.8	30
272	Effect of physicochemical properties of peptides from soy protein on their antimicrobial activity. <i>Peptides</i> , 2017, 94, 10-18.	2.4	21
273	Human antimicrobial peptides in ocular surface defense. <i>Progress in Retinal and Eye Research</i> , 2017, 61, 1-22.	15.5	65
274	Efficacy of Rhesus Theta-Defensin-1 in Experimental Models of <i>Pseudomonas aeruginosa</i> Lung Infection and Inflammation. <i>Antimicrobial Agents and Chemotherapy</i> , 2017, 61, .	3.2	22
275	Evaluation of the Antimicrobial Activity of Cationic Polymers against Mycobacteria: Toward Antitubercular Macromolecules. <i>Biomacromolecules</i> , 2017, 18, 1592-1599.	5.4	70
276	Effect of Co-overexpression of Nisin Key Genes on Nisin Production Improvement in <i>Lactococcus lactis</i> LS01. <i>Probiotics and Antimicrobial Proteins</i> , 2017, 9, 204-212.	3.9	18
277	Identification of N-Acetylated NH125 Analogues as Rapid Eradicating Agents against MRSA Persister Cells and Potent Biofilm Killers of Gram-Positive Pathogens. <i>ChemBioChem</i> , 2017, 18, 352-357.	2.6	19
278	Cospreparing of Anionic Phospholipids with Peptides of the Structure (KX) ₄ K at the Air-Water Interface: Influence of Lipid Headgroup Structure and Hydrophobicity of the Peptide on Monolayer Behavior. <i>Langmuir</i> , 2017, 33, 12204-12217.	3.5	4
279	Antiproliferative Activity of Walnut (<i>Juglans regia</i> L.) Proteins and Walnut Protein Hydrolysates. <i>Journal of Medicinal Food</i> , 2017, 20, 1063-1067.	1.5	13
280	Full Solution-Phase Synthesis of Acetyl Hexapeptide-3 by Fragments Coupling Strategy. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 11697-11704.	3.7	4

#	ARTICLE	IF	CITATIONS
281	Chinese Sacbrood virus infection in Asian honey bees (<i>Apis cerana cerana</i>) and host immune responses to the virus infection. <i>Journal of Invertebrate Pathology</i> , 2017, 150, 63-69.	3.2	36
282	TFOS DEWS II pathophysiology report. <i>Ocular Surface</i> , 2017, 15, 438-510.	4.4	1,049
283	Effects of dietary <i>Tenebrio molitor</i> meal on the growth performance, immune response and disease resistance of yellow catfish (<i>Pelteobagrus fulvidraco</i>). <i>Fish and Shellfish Immunology</i> , 2017, 69, 59-66.	3.6	82
284	Lipophosphonoxins II: Design, Synthesis, and Properties of Novel Broad Spectrum Antibacterial Agents. <i>Journal of Medicinal Chemistry</i> , 2017, 60, 6098-6118.	6.4	29
285	Potential applications of antimicrobial peptides and their mimics in combating caries and pulpal infections. <i>Acta Biomaterialia</i> , 2017, 49, 16-35.	8.3	91
286	Properties of biofilms developed on medical devices. , 2017, , 25-46.		5
287	Application of immunostimulants in aquaculture: current knowledge and future perspectives. <i>Aquaculture Research</i> , 2017, 48, 1-23.	1.8	215
288	PGLa-H tandem-repeat peptides active against multidrug resistant clinical bacterial isolates. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2017, 1859, 228-237.	2.6	23
289	The next generation of antimicrobial peptides (AMPs) as molecular therapeutic tools for the treatment of diseases with social and economic impacts. <i>Drug Discovery Today</i> , 2017, 22, 234-248.	6.4	143
290	Perspectives for clinical use of engineered human host defense antimicrobial peptides. <i>FEMS Microbiology Reviews</i> , 2017, 41, 323-342.	8.6	112
291	Peptides with Dual Antimicrobial and Anticancer Activities. <i>Frontiers in Chemistry</i> , 2017, 5, 5.	3.6	294
292	Antimicrobial Peptides As Biologic and Immunotherapeutic Agents against Cancer: A Comprehensive Overview. <i>Frontiers in Immunology</i> , 2017, 8, 1320.	4.8	102
293	Non-disulfide-Bridge Peptide 5.5 from the Scorpion <i>Hadrurus gertschi</i> Inhibits the Growth of <i>Mycobacterium abscessus</i> subsp. <i>massiliense</i> . <i>Frontiers in Microbiology</i> , 2017, 8, 273.	3.5	19
294	Membrane Active Antimicrobial Peptides: Translating Mechanistic Insights to Design. <i>Frontiers in Neuroscience</i> , 2017, 11, 73.	2.8	388
295	Utilisation of peptides against microbial infections â€“ a review. <i>Annals of Agricultural and Environmental Medicine</i> , 2017, 25, 205-210.	1.0	26
296	Characterization of Two Antimicrobial Peptides from Antarctic Fishes (<i>Notothenia coriiceps</i> and) Tj ETQq1 1 0.784314 rgBT /Overlock 19	2.5	19
297	Dual Functioned Pegylated Phospholipid Micelles Containing Cationic Antimicrobial Decapeptide for Treating Sepsis. <i>Theranostics</i> , 2017, 7, 3759-3767.	10.0	13
298	Designed Host Defense Peptides for the Treatment of Bacterial Keratitis. , 2017, 58, 6273.		30

#	ARTICLE	IF	CITATIONS
299	DESIGN AND MOLECULAR DOCKING STUDIES OF NOVEL ANTIMICROBIAL PEPTIDES USING AUTODOCK MOLECULAR DOCKING SOFTWARE. Asian Journal of Pharmaceutical and Clinical Research, 2017, 10, 28.	0.3	14
300	Peptide Antibiotics Developed by Mimicking Natural Antimicrobial Peptides. Clinical Microbiology (Los) Tj ETQq1 1 0.784314 ggBT /Over	0.2	1
301	Expression and characterization of recombinant rattusin, an Î±-defensin-related peptide with a homodimeric scaffold formed by intermolecular disulfide exchanges. Protein Expression and Purification, 2018, 147, 17-21.	1.3	5
302	Python Cathelicidin CATHPb1 Protects against Multidrug-Resistant Staphylococcal Infections by Antimicrobial-Immunomodulatory Duality. Journal of Medicinal Chemistry, 2018, 61, 2075-2086.	6.4	31
303	Identification of Antimicrobial Peptides of Native and Heated Hydrolysates from Hen Egg White Lysozyme. Journal of Medicinal Food, 2018, 21, 915-926.	1.5	11
304	Hydrophobic interactions modulate antimicrobial peptoid selectivity towards anionic lipid membranes. Biochimica Et Biophysica Acta - Biomembranes, 2018, 1860, 1414-1423.	2.6	43
305	Staphylococcal Osteomyelitis: Disease Progression, Treatment Challenges, and Future Directions. Clinical Microbiology Reviews, 2018, 31, .	13.6	270
306	Membrane-damaging activities of mannosylated ovalbumin are involved in its antibacterial action. Archives of Biochemistry and Biophysics, 2018, 639, 1-8.	3.0	7
307	Designing improved active peptides for therapeutic approaches against infectious diseases. Biotechnology Advances, 2018, 36, 415-429.	11.7	125
308	Differential expression of antimicrobial peptides in corneal infection and regulation of antimicrobial peptides and reactive oxygen species by type III secretion system of Pseudomonas aeruginosa. Pathogens and Disease, 2018, 76, .	2.0	14
309	Novel bioactive peptides from PD-L1/2, a type 1 ribosome inactivating protein from Phytolacca dioica L. Evaluation of their antimicrobial properties and anti-biofilm activities. Biochimica Et Biophysica Acta - Biomembranes, 2018, 1860, 1425-1435.	2.6	24
310	Aggregation-Induced Emission Probe for Study of the Bactericidal Mechanism of Antimicrobial Peptides. ACS Applied Materials & Interfaces, 2018, 10, 11436-11442.	8.0	70
311	High-throughput statistical screening of anti-infective peptides from natural antibacterial protein repertoire: Chemometric prediction, molecular modeling, and susceptibility analysis. Journal of Chemometrics, 2018, 32, e3026.	1.3	1
312	Bactericidal and fungistatic activity of peptide derived from GH18 domain of prawn chitinase 3 and its immunological functions during biological stress. International Journal of Biological Macromolecules, 2018, 106, 1014-1022.	7.5	24
313	Histatin-5 induces the reversal of Pdr5p mediated fluconazole resistance in Saccharomyces Â cerevisae. Journal De Mycologie Medicale, 2018, 28, 137-142.	1.5	2
314	Conjugates and nano-delivery of antimicrobial peptides for enhancing therapeutic activity. Journal of Drug Delivery Science and Technology, 2018, 44, 153-171.	3.0	34
315	Antibiotic-nanomedicines: facing the challenge of effective treatment of antibiotic-resistant respiratory tract infections. Future Microbiology, 2018, 13, 1683-1692.	2.0	13
316	Rapid and efficient production of cecropin A antibacterial peptide in Escherichia coli by fusion with a self-aggregating protein. BMC Biotechnology, 2018, 18, 62.	3.3	16

#	ARTICLE	IF	CITATIONS
317	AntiTbPdb: a knowledgebase of anti-tubercular peptides. Database: the Journal of Biological Databases and Curation, 2018, 2018, .	3.0	47
318	A Web Resource for Designing Subunit Vaccine Against Major Pathogenic Species of Bacteria. Frontiers in Immunology, 2018, 9, 2280.	4.8	36
319	Radical scavenging property of a novel peptide derived from C-terminal SOD domain of superoxide dismutase enzyme in <i>Arthrospira platensis</i> . Algal Research, 2018, 35, 519-529.	4.6	41
320	Potential role of a series of lysine-/leucine-rich antimicrobial peptide in inhibiting lipopolysaccharide-induced inflammation. Biochemical Journal, 2018, 475, 3687-3706.	3.7	22
321	Structural insight into the mechanism of action of antimicrobial peptide BMAP-28(1â€“18) and its analogue mutBMAP18. Journal of Structural Biology, 2018, 204, 435-448.	2.8	15
322	Recombinant production of a chimeric antimicrobial peptide in <i>E. coli</i> and assessment of its activity against some avian clinically isolated pathogens. Microbial Pathogenesis, 2018, 122, 73-78.	2.9	31
323	Antimicrobial Peptides: Phylogenic Sources and Biological Activities. First of Two Parts. Current Pharmaceutical Design, 2018, 24, 1043-1053.	1.9	19
324	Insights into the Mechanism of Antimicrobial Activity of Seven-Residue Peptides. Journal of Medicinal Chemistry, 2018, 61, 7614-7629.	6.4	19
325	Visualization of diffusion limited antimicrobial peptide attack on supported lipid membranes. Soft Matter, 2018, 14, 6146-6154.	2.7	27
326	Identification and Characterization of Novel Antimicrobial Peptide from Hippocampus comes by In Silico and Experimental Studies. Marine Biotechnology, 2018, 20, 718-728.	2.4	18
327	Tryptophan-Rich and Proline-Rich Antimicrobial Peptides. Molecules, 2018, 23, 815.	3.8	130
328	Antimicrobial peptides (AMP) biomaterial coatings for tissue repair. , 2018, , 329-345.		5
329	Identification of a novel antimicrobial peptide from the sea star <i>Patiria pectinifera</i> . Developmental and Comparative Immunology, 2018, 86, 203-213.	2.3	32
330	Antimicrobial peptide-loaded liquid crystalline precursor bioadhesive system for the prevention of dental caries. International Journal of Nanomedicine, 2018, Volume 13, 3081-3091.	6.7	51
331	Breaking the frontiers of cosmetology with antimicrobial peptides. Biotechnology Advances, 2018, 36, 2019-2031.	11.7	32
332	Discovery of cationic nonribosomal peptides as Gram-negative antibiotics through global genome mining. Nature Communications, 2018, 9, 3273.	12.8	81
333	Biosynthesis of TiO ₂ and ZnO nanoparticles by <i>Halomonas elongata</i> IBRC-M 10214 in different conditions of medium. BioImpacts, 2018, 8, 81-89.	1.5	108
334	Antibacterial and potentiation properties of charge-optimized polyrotaxanes for combating opportunistic bacteria. Journal of Materials Chemistry B, 2018, 6, 5353-5361.	5.8	8

#	ARTICLE	IF	CITATIONS
335	Design of stapled antimicrobial peptides that are stable, nontoxic and kill antibiotic-resistant bacteria in mice. <i>Nature Biotechnology</i> , 2019, 37, 1186-1197.	17.5	187
336	Human Antimicrobial Peptides as Therapeutics for Viral Infections. <i>Viruses</i> , 2019, 11, 704.	3.3	152
337	Quantitation of Super Basic Peptides in Biological Matrices by a Generic Perfluoropentanoic Acid-Based Liquid Chromatography–Mass Spectrometry Method. <i>Journal of the American Society for Mass Spectrometry</i> , 2019, 30, 1779-1789.	2.8	3
338	Unveiling the binding and orientation of the antimicrobial peptide Plantaricin 149 in zwitterionic and negatively charged membranes. <i>European Biophysics Journal</i> , 2019, 48, 621-633.	2.2	9
339	Antimicrobial activity, mechanism of action, and methods for stabilisation of defensins as new therapeutic agents. <i>Biotechnology and Biotechnological Equipment</i> , 2019, 33, 671-682.	1.3	56
340	LFB: A Novel Antimicrobial Brevinin-Like Peptide from the Skin Secretion of the Fujian Large Headed Frog, <i>Limnonectes fujianensi</i> . <i>Biomolecules</i> , 2019, 9, 242.	4.0	20
341	Developing Blight-Tolerant American Chestnut Trees. <i>Cold Spring Harbor Perspectives in Biology</i> , 2019, 11, a034587.	5.5	37
342	Pathogen-Specific Polymeric Antimicrobials with Significant Membrane Disruption and Enhanced Photodynamic Damage To Inhibit Highly Opportunistic Bacteria. <i>ACS Nano</i> , 2019, 13, 1511-1525.	14.6	91
343	Nanoencapsulated nisin: An engineered natural antimicrobial system for the food industry. <i>Trends in Food Science and Technology</i> , 2019, 94, 20-31.	15.1	96
344	Bacterial Proteinaceous Compounds With Multiple Activities Toward Cancers and Microbial Infection. <i>Frontiers in Microbiology</i> , 2019, 10, 1690.	3.5	37
345	Designed Antimicrobial Peptides for Recurrent Vulvovaginal Candidiasis Treatment. <i>Antimicrobial Agents and Chemotherapy</i> , 2019, 63, .	3.2	11
346	Intracellular free radical scavenging activity and protective role of mammalian cells by antioxidant peptide from thioredoxin disulfide reductase of <i>Arthrosira platensis</i> . <i>Journal of Functional Foods</i> , 2019, 61, 103513.	3.4	22
347	Correction of Acute Parodontitis with Indolicidin Analogues. <i>Bulletin of Experimental Biology and Medicine</i> , 2019, 167, 47-49.	0.8	3
348	Design of therapeutically improved analogue of the antimicrobial peptide, indolicidin, using a glycosylation strategy. <i>Amino Acids</i> , 2019, 51, 1443-1460.	2.7	14
349	Photodynamic and peptide-based strategy to inhibit Gram-positive bacterial biofilm formation. <i>Biofouling</i> , 2019, 35, 742-757.	2.2	14
350	Bacterial Virus Lambda Gpd-Fusions to Cathelicidins, $\hat{1}$ - and $\hat{2}$ -Defensins, and Disease-Specific Epitopes Evaluated for Antimicrobial Toxicity and Ability to Support Phage Display. <i>Viruses</i> , 2019, 11, 869.	3.3	4
351	Cathelicidin Peptides Restrict Bacterial Growth via Membrane Perturbation and Induction of Reactive Oxygen Species. <i>MBio</i> , 2019, 10, .	4.1	36
352	Cathelicidin-Derived Synthetic Peptide Improves Therapeutic Potential of Vancomycin Against <i>Pseudomonas aeruginosa</i> . <i>Frontiers in Microbiology</i> , 2019, 10, 2190.	3.5	32

#	ARTICLE	IF	CITATIONS
353	Bioactive Peptides Against Fungal Biofilms. <i>Frontiers in Microbiology</i> , 2019, 10, 2169.	3.5	50
354	Insight into the Antifungal Mechanism of Action of Human RNase N-terminus Derived Peptides. <i>International Journal of Molecular Sciences</i> , 2019, 20, 4558.	4.1	10
355	Making Solidâ€Phase Peptide Synthesis Greener: A Review of the Literature. <i>Chemistry - an Asian Journal</i> , 2019, 14, 1088-1097.	3.3	80
356	Mammalian antimicrobial peptide protegrinâ€4 self assembles and forms amyloidâ€like aggregates: Assessment of its functional relevance. <i>Journal of Peptide Science</i> , 2019, 25, e3151.	1.4	17
357	Utilization of antimicrobial peptides, analogues and mimics in creating antimicrobial surfaces and bio-materials. <i>Biochemical Engineering Journal</i> , 2019, 150, 107237.	3.6	19
358	Antimicrobial peptides under clinical investigation. <i>Peptide Science</i> , 2019, 111, e24122.	1.8	240
359	BD-2 and BD-3 increase skin flap survival in a model of ischemia and <i>Pseudomonas aeruginosa</i> infection. <i>Scientific Reports</i> , 2019, 9, 7854.	3.3	6
360	Hybrids made from antimicrobial peptides with different mechanisms of action show enhanced membrane permeabilization. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2019, 1861, 182980.	2.6	22
361	In vivo activity and low toxicity of the second-generation antimicrobial peptide DGL13K. <i>PLoS ONE</i> , 2019, 14, e0216669.	2.5	43
362	Use of nanotechnology in antimicrobial therapy. <i>Methods in Microbiology</i> , 2019, , 143-172.	0.8	20
363	Application of Antimicrobial Peptides of the Innate Immune System in Combination With Conventional Antibioticsâ€A Novel Way to Combat Antibiotic Resistance?. <i>Frontiers in Cellular and Infection Microbiology</i> , 2019, 9, 128.	3.9	171
364	Drug delivery systems designed to overcome antimicrobial resistance. <i>Medicinal Research Reviews</i> , 2019, 39, 2343-2396.	10.5	64
365	Construction of a genetically modified T7Select phage system to express the antimicrobial peptide 1018. <i>Journal of Microbiology</i> , 2019, 57, 532-538.	2.8	22
366	Design and characterization of a novel <i>Arthrosira platensis</i> glutathione oxido-reductase-derived antioxidant peptide GM15 and its potent anti-cancer activity via caspase-9 mediated apoptosis in oral cancer cells. <i>Free Radical Biology and Medicine</i> , 2019, 135, 198-209.	2.9	43
367	A Peptide-Nanoparticle System with Improved Efficacy against Multidrug Resistant Bacteria. <i>Scientific Reports</i> , 2019, 9, 4485.	3.3	80
368	Application of Synthetic Molecular Evolution to the Discovery of Antimicrobial Peptides. <i>Advances in Experimental Medicine and Biology</i> , 2019, 1117, 241-255.	1.6	14
369	Clinical Application of AMPs. <i>Advances in Experimental Medicine and Biology</i> , 2019, 1117, 281-298.	1.6	78
370	Dead bacterial absorption of antimicrobial peptides underlies collective tolerance. <i>Journal of the Royal Society Interface</i> , 2019, 16, 20180701.	3.4	18

#	ARTICLE	IF	CITATIONS
371	Antimicrobial Peptides. Advances in Experimental Medicine and Biology, 2019, , .	1.6	26
372	Radiosynthesis and pre-clinical evaluation of [Ga] labeled antimicrobial peptide fragment GF-17 as a potential infection imaging PET radiotracer. Applied Radiation and Isotopes, 2019, 149, 9-21.	1.5	5
373	Design, antimicrobial activity and mechanism of action of Arg-rich ultra-short cationic lipopeptides. PLoS ONE, 2019, 14, e0212447.	2.5	38
374	Manipulating Active Structure and Function of Cationic Antimicrobial Peptide CM15 with the Polysulfonated Drug Suramin: A Step Closer to in Vivo Complexity. ChemBioChem, 2019, 20, 1578-1590.	2.6	15
375	NMR model structure of the antimicrobial peptide maximin 3. European Biophysics Journal, 2019, 48, 203-212.	2.2	14
376	Lipid coated liquid crystal droplets for the on-chip detection of antimicrobial peptides. Lab on A Chip, 2019, 19, 1082-1089.	6.0	65
378	PÃ©ptidos antimicrobianos, una alternativa prometedora para el tratamiento de enfermedades infecciosas. Karger Kompass NeumologÃa, 2019, 1, 15-21.	0.0	1
379	Clinical Implications of Pseudomonas aeruginosa: Antibiotic Resistance, Phage & Antimicrobial Peptide Therapy. Proceedings of the Singapore National Academy of Science, 2019, 13, 65-86.	0.1	4
380	Antimicrobial Peptides as Anti-Infective Agents in Pre-Post-Antibiotic Era?. International Journal of Molecular Sciences, 2019, 20, 5713.	4.1	92
381	Mini Review on Antimicrobial Peptides, Sources, Mechanism and Recent Applications. Protein and Peptide Letters, 2019, 27, 4-16.	0.9	130
382	Aurein-Derived Antimicrobial Peptides Formulated with Pegylated Phospholipid Micelles to Target Methicillin-Resistant <i>Staphylococcus aureus</i> Skin Infections. ACS Infectious Diseases, 2019, 5, 443-453.	3.8	48
383	Evidence for antimicrobial and anticancer activity of pituitary adenylate cyclase-activating polypeptide (PACAP) from North African catfish (Clarias gariepinus): Its potential use as novel therapeutic agent in fish and humans. Fish and Shellfish Immunology, 2019, 86, 559-570.	3.6	17
384	Meta-Analysis for Correlating Structure of Bioactive Peptides in Foods of Animal Origin with Regard to Effect and Stability. Comprehensive Reviews in Food Science and Food Safety, 2019, 18, 3-30.	11.7	48
385	Implantable antimicrobial biomaterials for local drug delivery in bone infection models. Acta Biomaterialia, 2019, 93, 2-11.	8.3	89
386	Antifungal drugs: New insights in research & development. , 2019, 195, 21-38.		102
387	Antibiotic resistance in Pseudomonas aeruginosa: mechanisms and alternative therapeutic strategies. Biotechnology Advances, 2019, 37, 177-192.	11.7	1,108
388	Antimicrobial Peptides: the AchillesâHeel of Antibiotic Resistance?. Probiotics and Antimicrobial Proteins, 2019, 11, 370-381.	3.9	121
389	Short self-assembling cationic antimicrobial peptide mimetics based on a 3,5-diaminobenzoic acid scaffold. Peptide Science, 2020, 112, e24130.	1.8	13

#	ARTICLE	IF	CITATIONS
390	Structural characterization and biological activity of Crabroline peptide isoforms with different positive charge. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2020, 1862, 183055.	2.6	12
391	Topical antimicrobial peptide formulations for wound healing: Current developments and future prospects. <i>Acta Biomaterialia</i> , 2020, 103, 52-67.	8.3	221
392	A shrimp gene encoding a single WAP domain (SWD)-containing protein regulated by JAK-STAT and NF- κ B pathways. <i>Developmental and Comparative Immunology</i> , 2020, 104, 103537.	2.3	19
393	Designed Antimicrobial Peptides Against Trauma-Related Cutaneous Invasive Fungal Wound Infections. <i>Journal of Fungi (Basel, Switzerland)</i> , 2020, 6, 184.	3.5	4
394	Defining principles that influence antimicrobial peptide activity against capsulated <i>Klebsiella pneumoniae</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 27620-27626.	7.1	31
395	The Best Peptidomimetic Strategies to Undercover Antibacterial Peptides. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7349.	4.1	24
396	A New Era of Antibiotics: The Clinical Potential of Antimicrobial Peptides. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7047.	4.1	235
397	Potent and Specific Antibacterial Activity against <i>Escherichia coli</i> O157:H7 and Methicillin Resistant <i>Staphylococcus aureus</i> (MRSA) of G17 and G19 Peptides Encapsulated into Poly-Lactic-Co-Glycolic Acid (PLGA) Nanoparticles. <i>Antibiotics</i> , 2020, 9, 384.	3.7	22
398	HAPPENN is a novel tool for hemolytic activity prediction for therapeutic peptides which employs neural networks. <i>Scientific Reports</i> , 2020, 10, 10869.	3.3	55
399	Antimicrobial activity of synthetic Dq-3162, a 28-residue ponericin G-like dinoponeratoxin from the giant ant <i>Dinoponera quadricaps</i> venom, against carbapenem-resistant bacteria. <i>Toxicon</i> , 2020, 187, 19-28.	1.6	6
400	<i>Pseudomonas aeruginosa</i> Biofilms. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8671.	4.1	322
401	Antimicrobial peptides (AMPs): a patent review (2015–2020). <i>Expert Opinion on Therapeutic Patents</i> , 2020, 30, 931-947.	5.0	43
402	The Mechanisms and the Applications of Antibacterial Polymers in Surface Modification on Medical Devices. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 910.	4.1	92
403	Synthetic Peptide α M4-Induced Cell Death Associated with Cytoplasmic Membrane Disruption, Mitochondrial Dysfunction and Cell Cycle Arrest in Human Melanoma Cells. <i>Molecules</i> , 2020, 25, 5684.	3.8	8
404	In Vitro Evaluation of a Peptide-Mesoporous Silica Nanoparticle Drug Release System against HIV-1. <i>Inorganics</i> , 2020, 8, 42.	2.7	5
405	Characterization of the structure–function relationship of a novel salt-resistant antimicrobial peptide, RR12. <i>RSC Advances</i> , 2020, 10, 23624-23631.	3.6	8
406	Dark, Ultra-Dark and Ultra-Bright Nanodiscs for membrane protein investigations. <i>Analytical Biochemistry</i> , 2020, 607, 113860.	2.4	6
407	Protective effects of Δ^9 -tetrahydrocannabinol against enterotoxin-induced acute respiratory distress syndrome are mediated by modulation of microbiota. <i>British Journal of Pharmacology</i> , 2020, 177, 5078-5095.	5.4	37

#	ARTICLE	IF	CITATIONS
408	<p>>Ecotoxicity Evaluation of Pristine and Indolicidin-coated Silver Nanoparticles in Aquatic and Terrestrial Ecosystem</p><p>>. International Journal of Nanomedicine, 2020, Volume 15, 8097-8108.	6.7	15
409	Proln-Fuse: improved and robust prediction of proinflammatory peptides by fusing of multiple feature representations. Journal of Computer-Aided Molecular Design, 2020, 34, 1229-1236.	2.9	33
410	Antimicrobial peptides â€“ Advances in development of therapeutic applications. Life Sciences, 2020, 260, 118407.	4.3	111
411	IAMPE: NMR-Assisted Computational Prediction of Antimicrobial Peptides. Journal of Chemical Information and Modeling, 2020, 60, 4691-4701.	5.4	46
412	Enhanced Antibiofilm Effects of N2 Plasma-Treated Buffer Combined with Antimicrobial Hexapeptides Against Plant Pathogens. Polymers, 2020, 12, 1992.	4.5	4
413	Antibacterial Activity of Non-Cytotoxic, Amino Acid-Modified Polycationic Dendrimers against Pseudomonas aeruginosa and Other Non-Fermenting Gram-Negative Bacteria. Polymers, 2020, 12, 1818.	4.5	33
414	FTâ€MS in the de novo topâ€down sequencing of natural nontryptic peptides. Mass Spectrometry Reviews, 2022, 41, 284-313.	5.4	11
415	Synthetic macromolecules as therapeutics that overcome resistance in cancer and microbial infection. Biomaterials, 2020, 252, 120078.	11.4	99
416	Positively Charged Polymers as Promising Devices against Multidrug Resistant Gram-Negative Bacteria: A Review. Polymers, 2020, 12, 1195.	4.5	79
417	DAPTOMYCIN, its membrane-active mechanism vs. that of other antimicrobial peptides. Biochimica Et Biophysica Acta - Biomembranes, 2020, 1862, 183395.	2.6	46
418	Shorter Antibacterial Peptide Having High Selectivity for E. coli Membranes and Low Potential for Inducing Resistance. Microorganisms, 2020, 8, 867.	3.6	7
419	Supramolecular Peptide Assemblies as Antimicrobial Scaffolds. Molecules, 2020, 25, 2751.	3.8	28
420	Purification and Characterization of a New CRISP-Related Protein from Scapharca broughtonii and Its Immunomodulatory Activity. Marine Drugs, 2020, 18, 299.	4.6	6
421	Ultra-Short Antimicrobial Peptoids Show Propensity for Membrane Activity Against Multi-Drug Resistant Mycobacterium tuberculosis. Frontiers in Microbiology, 2020, 11, 417.	3.5	18
422	The effect of lipidation and glycosylation on short cationic antimicrobial peptides. Biochimica Et Biophysica Acta - Biomembranes, 2020, 1862, 183195.	2.6	56
423	Expression and Roles of Antimicrobial Peptides in Innate Defense of Airway Mucosa: Potential Implication in Cystic Fibrosis. Frontiers in Immunology, 2020, 11, 1198.	4.8	36
424	Magnetite Nanoparticles Functionalized with RNases against Intracellular Infection of Pseudomonas aeruginosa. Pharmaceutics, 2020, 12, 631.	4.5	6
425	Murine cathelicidin: as a host defensive response against Leishmania major infection. Journal of Parasitic Diseases, 2020, 44, 633-638.	1.0	9

#	ARTICLE	IF	CITATIONS
426	A peptide coating preventing the attachment of <i>Porphyrromonas gingivalis</i> on the surfaces of dental implants. Journal of Periodontal Research, 2020, 55, 503-510.	2.7	12
427	Anionic food color tartrazine enhances antibacterial efficacy of histatin-derived peptide DHVAR4 by fine-tuning its membrane activity. Quarterly Reviews of Biophysics, 2020, 53, e5.	5.7	11
428	Mechanism of Action of Surface Immobilized Antimicrobial Peptides Against <i>Pseudomonas aeruginosa</i> . Frontiers in Microbiology, 2019, 10, 3053.	3.5	47
429	Synthesis of $N^{\pm, \pm}$ -Substituted $\hat{1}, \hat{2}$ -Diamino Acids via Stereoselective N -Michael Additions to a Chiral Bicyclic Dehydroalanine. Journal of Organic Chemistry, 2020, 85, 3134-3145.	3.2	13
430	Designed Antimicrobial Peptides for Topical Treatment of Antibiotic Resistant Acne Vulgaris. Antibiotics, 2020, 9, 23.	3.7	21
431	Development and Challenges of Antimicrobial Peptides for Therapeutic Applications. Antibiotics, 2020, 9, 24.	3.7	318
432	Antioxidant molecular mechanism of adenosyl homocysteinase from cyanobacteria and its wound healing process in fibroblast cells. Molecular Biology Reports, 2020, 47, 1821-1834.	2.3	28
433	Antibacterial Activity of Indolicidin-Coated Silver Nanoparticles in Oral Disease. Applied Sciences (Switzerland), 2020, 10, 1837.	2.5	28
434	Piscidin, Fish Antimicrobial Peptide: Structure, Classification, Properties, Mechanism, Gene Regulation and Therapeutical Importance. International Journal of Peptide Research and Therapeutics, 2021, 27, 91-107.	1.9	33
435	Antifungal Activity of Synthetic Scorpion Venom-Derived Peptide Analogues Against <i>Candida albicans</i> . International Journal of Peptide Research and Therapeutics, 2021, 27, 281-291.	1.9	5
436	Antimicrobial peptides as a potent therapeutic regimen to quench biofilm-mediated antimicrobial resistance. , 2021, , 531-570.		1
437	The Effect of Antimicrobial Peptides on the Viability of Human Corneal Epithelial Cells. Probiotics and Antimicrobial Proteins, 2021, 13, 518-526.	3.9	2
438	Strategies for antimicrobial peptide coatings on medical devices: a review and regulatory science perspective. Critical Reviews in Biotechnology, 2021, 41, 94-120.	9.0	89
439	Anti-pathogenic activity of graphene nanomaterials: A review. Colloids and Surfaces B: Biointerfaces, 2021, 199, 111509.	5.0	45
440	Antimicrobial peptides for the prevention and treatment of dental caries: A concise review. Archives of Oral Biology, 2021, 122, 105022.	1.8	55
441	Unravelling the molecular effect of ocellatin-1, F1, K1 and S1, the frog-skin antimicrobial peptides to enhance its therapeuticsâ€”quantum and molecular mechanical approaches. Journal of Molecular Modeling, 2021, 27, 10.	1.8	3
442	Emergent antibacterial activity of N-(thiazol-2-yl)benzenesulfonamides in conjunction with cell-penetrating octaarginine. RSC Advances, 2021, 11, 28581-28592.	3.6	3
443	HPLC-MS identification and expression of <i>Candida</i> drug-resistance proteins from African HIV-infected patients. AIMS Microbiology, 2021, 7, 320-335.	2.2	1

#	ARTICLE	IF	CITATIONS
444	Molecular engineering of antimicrobial peptides: microbial targets, peptide motifs and translation opportunities. <i>Biophysical Reviews</i> , 2021, 13, 35-69.	3.2	60
445	Improving the Cellular Selectivity of a Membrane-Disrupting Antimicrobial Agent by Monomer Control and by Taming. <i>Molecules</i> , 2021, 26, 374.	3.8	2
446	Title: insoluble proteins catch heterologous soluble proteins into inclusion bodies by intermolecular interaction of aggregating peptides. <i>Microbial Cell Factories</i> , 2021, 20, 30.	4.0	4
447	AOA-2 Derivatives as Outer Membrane Protein A Inhibitors for Treatment of Gram-Negative Bacilli Infections. <i>Frontiers in Microbiology</i> , 2021, 12, 634323.	3.5	5
448	d-Leucine Modified CM11 Peptide has Admissible Antibacterial Activity with Low Cytotoxic Properties Against Vero Cell Line. <i>International Journal of Peptide Research and Therapeutics</i> , 2021, 27, 1451-1457.	1.9	2
449	Review: Lessons Learned From Clinical Trials Using Antimicrobial Peptides (AMPs). <i>Frontiers in Microbiology</i> , 2021, 12, 616979.	3.5	188
450	Synthesis and Antibacterial Activity of Cationic Amino Acid-Conjugated Dendrimers Loaded with a Mixture of Two Triterpenoid Acids. <i>Polymers</i> , 2021, 13, 521.	4.5	23
451	Successful use of <i>Nicotiana tabacum</i> hairy roots for the recombinant production of Cecropin A peptide. <i>Biotechnology and Applied Biochemistry</i> , 2022, 69, 876-886.	3.1	6
452	An Antimicrobial Peptide-Loaded Chitosan/Polyethylene Oxide Nanofibrous Membrane Fabricated by Electrospinning Technology. <i>Frontiers in Materials</i> , 2021, 8, .	2.4	15
453	Recent advances in design of antimicrobial peptides and polypeptides toward clinical translation. <i>Advanced Drug Delivery Reviews</i> , 2021, 170, 261-280.	13.7	120
454	Mammalian Neuropeptides as Modulators of Microbial Infections: Their Dual Role in Defense versus Virulence and Pathogenesis. <i>International Journal of Molecular Sciences</i> , 2021, 22, 3658.	4.1	10
455	Melittin antimicrobial peptide thin layer on bone implant chitosan-antibiotic coatings and their bactericidal properties. <i>Materials Chemistry and Physics</i> , 2021, 263, 124432.	4.0	22
456	Progress in the Development of Antimicrobial Peptide Prediction Tools. <i>Current Protein and Peptide Science</i> , 2021, 22, 211-216.	1.4	2
457	Modulation of cathelicidin and defensins by histone deacetylase inhibitors: A potential treatment for multi-drug resistant infectious diseases. <i>Peptides</i> , 2021, 140, 170527.	2.4	17
458	Antibacterial Potential of a Novel Peptide from the Consensus Sequence of Dermaseptin Related Peptides Secreted by <i>Agalychnis annae</i> . <i>Current Pharmaceutical Biotechnology</i> , 2021, 22, 1216-1227.	1.6	6
460	Pharmacological importance of TG12 from tachykinin and its toxicological behavior against multidrug-resistant bacteria <i>Klebsiella pneumoniae</i> . <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2021, 245, 108974.	2.6	6
461	Histatin-1 is an endogenous ligand of the sigma-2 receptor. <i>FEBS Journal</i> , 2021, 288, 6815-6827.	4.7	6
462	A Novel Peptide Derived from the Transmembrane Domain of Romo1 Is a Promising Candidate for Sepsis Treatment and Multidrug-Resistant Bacteria. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8243.	4.1	2

#	ARTICLE	IF	CITATIONS
463	Antimicrobial and Antioxidative Activity of Newly Synthesized Peptides Absorbed into Bacterial Cellulose Carrier against <i>Acne vulgaris</i> . <i>International Journal of Molecular Sciences</i> , 2021, 22, 7466.	4.1	10
464	NV14 from serine α -acetyltransferase of cyanobacteria influences the antioxidant enzymes in vitro cells, gene expression against H_2O_2 and other responses in vivo zebrafish larval model. <i>Cell Biology International</i> , 2021, 45, 2331-2346.	3.0	26
465	Nanostructured Antimicrobial Peptides: Crucial Steps of Overcoming the Bottleneck for Clinics. <i>Frontiers in Microbiology</i> , 2021, 12, 710199.	3.5	25
466	Adsorption of Recombinant Human β -Defensin 2 and Two Mutants on Mesoporous Silica Nanoparticles and Its Effect against <i>Clavibacter michiganensis</i> subsp. <i>michiganensis</i> . <i>Nanomaterials</i> , 2021, 11, 2144.	4.1	4
467	Biophysical study of the structure and dynamics of the antimicrobial peptide maximin 1. <i>Journal of Peptide Science</i> , 2022, 28, e3370.	1.4	4
469	Biomaterial-based antimicrobial therapies for the treatment of bacterial infections. <i>Nature Reviews Materials</i> , 2022, 7, 39-54.	48.7	184
470	A Review for Antimicrobial Peptides with Anticancer Properties: Re-purposing of Potential Anticancer Agents. <i>BIO Integration</i> , 2021, 1, .	1.3	17
472	Use of Atomic Force Microscopy as a Tool to Understand the Action of Antimicrobial Peptides on Bacteria. <i>Methods in Molecular Biology</i> , 2010, 618, 235-247.	0.9	5
473	Antiviral Probiotics: A New Concept in Medical Sciences. , 2017, , 1-46.		13
474	Antimicrobial Polymers. <i>Environmental and Microbial Biotechnology</i> , 2021, , 1-42.	0.7	8
475	<i>Arthrospira platensis</i> transglutaminase derived antioxidant peptide-packed electrospun chitosan/ poly (vinyl alcohol) nanofibrous mat accelerates wound healing, in vitro, via inducing mouse embryonic fibroblast proliferation. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 193, 111124.	5.0	12
476	Formulation technologies and advances for oral delivery of novel nitroimidazoles and antimicrobial peptides. <i>Journal of Controlled Release</i> , 2020, 324, 728-749.	9.9	22
477	Mechanisms of a Small Membrane-Active Antimicrobial Peptide from <i>Hyla punctata</i> . <i>Australian Journal of Chemistry</i> , 2020, 73, 236.	0.9	12
478	OAK-based cochleates as a novel approach to overcome multidrug resistance in bacteria. <i>FASEB Journal</i> , 2010, 24, 5092-5101.	0.5	5
479	Amphibian antimicrobial peptide fallaxin analogue FL9 affects virulence gene expression and DNA replication in <i>Staphylococcus aureus</i> . <i>Journal of Medical Microbiology</i> , 2015, 64, 1504-1513.	1.8	19
480	Peptide-based antifungal therapies against emerging infections. <i>Drugs of the Future</i> , 2010, 35, 197.	0.1	126
481	A Rigidity-Enhanced Antimicrobial Activity: A Case for Linear Cationic α -Helical Peptide HP(20) and Its Four Analogues. <i>PLoS ONE</i> , 2011, 6, e16441.	2.5	16
482	A synthetic cationic antimicrobial peptide inhibits inflammatory response and the NLRP3 inflammasome by neutralizing LPS and ATP. <i>PLoS ONE</i> , 2017, 12, e0182057.	2.5	31

#	ARTICLE	IF	CITATIONS
484	Expression and polymorphism of defensins in farm animals.. Acta Biochimica Polonica, 2010, 57, .	0.5	36
485	The role of antimicrobial peptides in defending the urinary tract against infections. Meditsinskiy Sovet, 2019, , 143-150.	0.5	4
486	Antimicrobial Peptides and Vaccine Development to Control Multi-drug Resistant Bacteria. Protein and Peptide Letters, 2019, 26, 324-331.	0.9	12
487	Clinical Applications of Antimicrobial Peptides (AMPs): Where do we Stand Now?. Protein and Peptide Letters, 2020, 27, 120-134.	0.9	85
488	Antimicrobial Peptides: Promising Compounds Against Pathogenic Microorganisms. Current Medicinal Chemistry, 2014, 21, 2299-2321.	2.4	146
489	Antimicrobial Peptides as an Opportunity Against Bacterial Diseases. Current Medicinal Chemistry, 2015, 22, 1665-1677.	2.4	72
490	NMR Assisted Antimicrobial Peptide Designing: Structure Based Modifications and Functional Correlation of a Designed Peptide VG16KRKP. Current Medicinal Chemistry, 2020, 27, 1387-1404.	2.4	6
491	Antimicrobial Peptides and Peptidomimetics - Potent Therapeutic Allies for Staphylococcal Infections. Current Pharmaceutical Design, 2015, 21, 2073-2088.	1.9	60
492	Inorganic Gold and Polymeric Poly(Lactide-co-glycolide) Nanoparticles as Novel Strategies to Ameliorate the Biological Properties of Antimicrobial Peptides. Current Protein and Peptide Science, 2020, 21, 429-438.	1.4	7
493	Antimicrobial Peptides From Lycosidae (Sundevall, 1833) Spiders. Current Protein and Peptide Science, 2020, 21, 527-541.	1.4	18
494	Novel Sulfones with Antifungal Properties: Antifungal Activities and Interactions with Candida spp. Virulence Factors. Mini-Reviews in Medicinal Chemistry, 2018, 19, 12-21.	2.4	8
495	Use of Peptide Libraries for Identification and Optimization of Novel Antimicrobial Peptides. Current Topics in Medicinal Chemistry, 2016, 17, 537-553.	2.1	38
496	Identification of Bioactive Peptides in Mussel Species of Kanyakumari Coast. Asian Journal of Biotechnology, 2020, 12, 75-86.	0.3	3
497	Effect of Sudarshan Kriya Pranayama on periodontal status and human salivary beta-defensin-2: An interventional study. Dental Research Journal, 2018, 15, 327.	0.6	4
498	Study of the antimicrobial peptide indolicidin and a mutant in micelle medium by molecular dynamics simulation. Genetics and Molecular Research, 2008, 7, 986-999.	0.2	2
499	Evaluation of Antimicrobial Activity of Buforin I and Nisin and the Synergistic Effect of Their Combination as a Novel Antimicrobial Preservative. Journal of Food Protection, 2020, 83, 2018-2025.	1.7	18
500	Selection of Small Synthetic Antimicrobial Peptides Inhibiting Xanthomonas citri subsp. citri Causing Citrus Canker. Plant Pathology Journal, 2017, 33, 87-94.	1.7	10
501	Addition of L-cysteine to the N- or C-terminus of the all-D-enantiomer [_D (KLAKLAK) ₂] increases antimicrobial activities against multidrug-resistant <i>Pseudomonas aeruginosa</i> , <i>Acinetobacter baumannii</i> and <i>Escherichia coli</i> . PeerJ, 2020, 8, e10176.	2.0	4

#	ARTICLE	IF	CITATIONS
502	Application of Antimicrobial Peptides for Disease Control in Plants. Plant Breeding and Biotechnology, 2014, 2, 1-13.	0.9	27
503	New Frontiers on Adjuvants Drug Strategies and Treatments in Periodontitis. Scientia Pharmaceutica, 2021, 89, 46.	2.0	11
504	Antimicrobial peptides (AMPs): A promising class of antimicrobial compounds. Journal of Applied Microbiology, 2022, 132, 1573-1596.	3.1	125
505	Machine learning-enabled predictive modeling to precisely identify the antimicrobial peptides. Medical and Biological Engineering and Computing, 2021, 59, 2397-2408.	2.8	11
506	Dual-responsive nisin loaded chondroitin sulfate nanogel for treatment of bacterial infection in soft tissues. International Journal of Biological Macromolecules, 2021, 193, 166-172.	7.5	14
507	Infection and Sepsis. , 2010, , 239-274.		0
508	Antimicrobial Peptides: Diversity and Perspectives for Their Biomedical Application. , 0, , .		3
509	Purification and characterization of antimicrobial peptide secreted by <I>Bacillus laterosporus</I> 2-Q-9. Hunan Nong Ye Da Xue Xue Bao = Journal of Hunan Agricultural University, 2011, 37, 26-30.	0.0	1
510	Antimicrobial Peptides and their Potential Application in Inflammation and Sepsis. , 2012, , 85-97.		2
511	Antimicrobial Peptides in Spider Venoms. , 2015, , 1-15.		0
512	Antibiotic Resistance: Challenges and Prospect for Therapy in Developing Countries. British Journal of Pharmaceutical Research, 2015, 8, 1-16.	0.4	5
513	Antimicrobial and antiviral effects of human defensins: pathogenetic value and prospective application to medicinal therapy. Reviews on Clinical Pharmacology and Drug Therapy, 2016, 14, 3-37.	0.6	0
514	Toad Poison and Drug Discovery. Toxinology, 2017, , 373-399.	0.2	2
515	Azelaic acid in the treatment of acne and rosacea. Klinicheskaya Dermatologiya I Venerologiya, 2018, 17, 87.	0.2	0
518	Synergy of action of antimicrobial peptides PG-1 and ChBac3.4 with antiseptics against antibiotic-resistant bacteria. Meditsinskii Akademicheskii Zhurnal, 2018, 18, 47-57.	0.2	0
519	Antimicrobial peptides and their therapeutic potential as anti-infective drugs: A review. Journal of Zankoy Sulaimani - Part A, 2019, 21, 1-8.	0.1	0
520	Pharmacological correction of periodontitis using synthetic analogues of indolicidin. Research Results in Pharmacology, 2019, 5, 21-35.	0.4	0
521	Sources, Mechanism and Clinical Application of Antimicrobial Peptides. Advances in Clinical Medicine, 2020, 10, 1729-1942.	0.0	0

#	ARTICLE	IF	CITATIONS
522	GR15 peptide of S-adenosylmethionine synthase (SAME) from <i>Arthrospira platensis</i> demonstrated antioxidant mechanism against H ₂ O ₂ induced oxidative stress in in-vitro MDCK cells and in-vivo zebrafish larvae model. <i>Journal of Biotechnology</i> , 2021, 342, 79-91.	3.8	29
524	Structural and functional swapping of amyloidogenic and antimicrobial peptides: Redefining the role of amyloidogenic propensity in disease and host defense. <i>Journal of Peptide Science</i> , 2021, , e3378.	1.4	4
526	Electrophoretic pattern and antibacterial activity of proteins from <i>vicia faba</i> seed extract. <i>International Journal of Molecular and Cellular Medicine</i> , 2013, 2, 46-9.	1.1	2
527	In vitro studies on the antimicrobial peptide human beta-defensin 9 (HBD9): signalling pathways and pathogen-related response (an American Ophthalmological Society thesis). <i>Transactions of the American Ophthalmological Society</i> , 2014, 112, 50-73.	1.4	6
528	Effect of Sudarshan Kriya Pranayama on periodontal status and human salivary beta-defensin-2: An interventional study. <i>Dental Research Journal</i> , 2018, 15, 327-333.	0.6	3
529	Cockroaches, locusts, and envenomating arthropods: a promising source of antimicrobials. <i>Iranian Journal of Basic Medical Sciences</i> , 2018, 21, 873-877.	1.0	6
530	Molecular characterisation and biological activity of an antiparasitic peptide from <i>Sciaenops ocellatus</i> and its immune response to <i>Cryptocaryon irritans</i> . <i>Molecular Immunology</i> , 2022, 141, 1-12.	2.2	4
531	The genomic dimension in biodefense: Decontamination. , 2022, , 197-218.		0
532	Conformation and membrane interaction studies of the potent antimicrobial and anticancer peptide palustrin-Ca. <i>Scientific Reports</i> , 2021, 11, 22468.	3.3	2
533	Antimicrobial peptides, conventional antibiotics, and their synergistic utility for the treatment of drug-resistant infections. <i>Medicinal Research Reviews</i> , 2022, 42, 1377-1422.	10.5	77
534	A Review of Antimicrobial Peptides: Its Function, Mode of Action and Therapeutic Potential. <i>International Journal of Peptide Research and Therapeutics</i> , 2022, 28, 1.	1.9	35
535	The Potential of Modified and Multimeric Antimicrobial Peptide Materials as Superbug Killers. <i>Frontiers in Chemistry</i> , 2021, 9, 795433.	3.6	14
536	Strategies for Antimicrobial Peptides Immobilization on Surfaces to Prevent Biofilm Growth on Biomedical Devices. <i>Antibiotics</i> , 2022, 11, 13.	3.7	18
538	A non-bactericidal cathelicidin provides prophylactic efficacy against bacterial infection by driving phagocyte influx. <i>ELife</i> , 2022, 11, .	6.0	10
539	Clinical Applications and Anticancer Effects of Antimicrobial Peptides: From Bench to Bedside. <i>Frontiers in Oncology</i> , 2022, 12, 819563.	2.8	39
540	Prediction of Antibacterial Peptides against <i>Propionibacterium acnes</i> from the Peptidomes of <i>Achatina fulica</i> Mucus Fractions. <i>Molecules</i> , 2022, 27, 2290.	3.8	8
541	Host Defence Peptides: A Potent Alternative to Combat Antimicrobial Resistance in the Era of the COVID-19 Pandemic. <i>Antibiotics</i> , 2022, 11, 475.	3.7	10
542	Immune regulation of the ocular surface. <i>Experimental Eye Research</i> , 2022, 218, 109007.	2.6	17

#	ARTICLE	IF	CITATIONS
543	Effect of human secretory calcium-binding phosphoprotein proline-glutamine rich 1 protein on <i>Porphyromonas gingivalis</i> and identification of its active portions. <i>Scientific Reports</i> , 2021, 11, 23724.	3.3	1
557	Gram-selective antibacterial activity of mixed-charge 2D-MoS ₂ . <i>Journal of Materials Chemistry B</i> , 2022, 10, 4588-4594.	5.8	16
558	The dual interaction of antimicrobial peptides on bacteria and cancer cells; mechanism of action and therapeutic strategies of nanostructures. <i>Microbial Cell Factories</i> , 2022, 21, .	4.0	17
559	Nanomaterials-Based Combinatorial Therapy as a Strategy to Combat Antibiotic Resistance. <i>Antibiotics</i> , 2022, 11, 794.	3.7	7
560	Bacterial adhesion inhibition on water treatment membrane by a modified HHC-36 antimicrobial peptide. <i>Environmental Engineering Research</i> , 0, , .	2.5	0
561	The potential of AFM in studying the role of the nanoscale amphipathic nature of (lipo)-peptides interacting with lipid bilayers. <i>Nanotechnology</i> , 0, , .	2.6	1
562	Mesenchymal Stem Cell-Derived Antimicrobial Peptides as Potential Anti-Neoplastic Agents: New Insight into Anticancer Mechanisms of Stem Cells and Exosomes. <i>Frontiers in Cell and Developmental Biology</i> , 0, 10, .	3.7	13
563	Biocidal Cationic Macromolecules Irrespective of Bacterial Resistance: Our Best Achievements. , 0, , .		1
564	Potent Antibacterial Composite Nonwovens Functionalized with Bioactive Peptides and Polymers. <i>Advanced Materials Interfaces</i> , 2022, 9, .	3.7	2
565	Bioactive Antimicrobial Peptides: A New Weapon to Counteract Zoonosis. <i>Microorganisms</i> , 2022, 10, 1591.	3.6	2
566	Novel Small Antimicrobial Peptides Extracted from Agricultural Wastes Act against Phytopathogens but Not Rhizobacteria. <i>Agronomy</i> , 2022, 12, 1841.	3.0	7
567	Do immune system changes at metamorphosis predict vulnerability to chytridiomycosis? An update. <i>Developmental and Comparative Immunology</i> , 2022, 136, 104510.	2.3	10
568	Cationic, amphipathic small molecules based on a triazine-piperazine-triazine scaffold as a new class of antimicrobial agents. <i>European Journal of Medicinal Chemistry</i> , 2022, 243, 114747.	5.5	6
569	The Link Between Gut Microbiota and Autoimmune Diseases. , 2022, , 33-68.		0
570	Processing interventions for enhanced microbiological safety of beef carcasses and beef products: A review. <i>Critical Reviews in Food Science and Nutrition</i> , 2024, 64, 2105-2129.	10.3	0
571	The resilience of <i>Pseudomonas aeruginosa</i> to antibiotics, and the designing of antimicrobial peptides to overcome microbial resistance. <i>Current Medicinal Chemistry</i> , 2022, 29, .	2.4	1
572	Acyldepsipeptide Analogues: A Future Generation Antibiotics for Tuberculosis Treatment. <i>Pharmaceutics</i> , 2022, 14, 1956.	4.5	3
573	Bioengineering Approaches to Fight against Orthopedic Biomaterials Related-Infections. <i>International Journal of Molecular Sciences</i> , 2022, 23, 11658.	4.1	7

#	ARTICLE	IF	CITATIONS
574	Antimicrobial Activity Developed by Scorpion Venoms and Its Peptide Component. <i>Toxins</i> , 2022, 14, 740.	3.4	8
575	The History of Antibiotics Illumes the Future of Antimicrobial Peptides Administered Through Nanosystems. <i>Nanotechnology in the Life Sciences</i> , 2022, , 1-74.	0.6	0
576	Design of nanostructured coating to prevent biofilm formation on surfaces. <i>IOP Conference Series: Materials Science and Engineering</i> , 2022, 1265, 012003.	0.6	0
577	Alternatives Therapeutic Approaches to Conventional Antibiotics: Advantages, Limitations and Potential Application in Medicine. <i>Antibiotics</i> , 2022, 11, 1826.	3.7	10
579	Combined Use of Antimicrobial Peptides with Antiseptics against Multidrug-Resistant Bacteria: Pros and Cons. <i>Pharmaceutics</i> , 2023, 15, 291.	4.5	1
580	The protective effect of URP20 on ocular <i>Staphylococcus aureus</i> and <i>Escherichia coli</i> infection in rats. <i>BMC Ophthalmology</i> , 2022, 22, .	1.4	2
581	A Designed Host Defense Peptide for the Topical Treatment of MRSA-Infected Diabetic Wounds. <i>International Journal of Molecular Sciences</i> , 2023, 24, 2143.	4.1	3
582	Anti-microbial Peptides for Plaque Control and Beyond. <i>Journal of the California Dental Association</i> , 2009, 37, 779-788.	0.1	7
583	Bridging Thermodynamics, Antimicrobial Activity, and pH Sensitivity of Cationic Membranolytic Heptapeptidesâ€”A Computational and Experimental Study. <i>Journal of Chemical Information and Modeling</i> , 2023, 63, 2393-2408.	5.4	2
584	Antimicrobial Compounds from Skin Secretions of Species That Belong to the Bufonidae Family. <i>Toxins</i> , 2023, 15, 145.	3.4	1
585	Mechanisms of Antimicrobial Peptides from Bagasse against Human Pathogenic Bacteria. <i>Antibiotics</i> , 2023, 12, 448.	3.7	0
586	Antimicrobial peptides for combating drug-resistant bacterial infections. <i>Drug Resistance Updates</i> , 2023, 68, 100954.	14.4	60
587	Neuroprotective Effects of Lactoferrin in Alzheimerâ€™s and Parkinsonâ€™s Diseases: A Narrative Review. <i>ACS Chemical Neuroscience</i> , 0, , .	3.5	4
588	Disease prevention and mitigation in US finfish aquaculture: A review of current approaches and new strategies. <i>Reviews in Aquaculture</i> , 2023, 15, 1638-1653.	9.0	3
589	Biodegradable Polymers and Polymer Composites with Antibacterial Properties. <i>International Journal of Molecular Sciences</i> , 2023, 24, 7473.	4.1	9
590	Serum Î²-Defensin 2, A Novel Biomarker for the Diagnosis of Acute Infections. <i>Diagnostics</i> , 2023, 13, 1885.	2.6	3
591	In vitro antibacterial activity and synergetic effect of crude extract of the <i>Wohlfahrtia nuba</i> (Diptera: Tj ETQq0 0 0 rgBT /Overlock 10 Tf	2.0	1
592	Roles of Different Î²-Defensins in the Human Reproductive System: A Review Study. <i>American Journal of Men's Health</i> , 2023, 17, .	1.6	0

#	ARTICLE	IF	CITATIONS
593	A guided tour through α -helical peptide antibiotics and their targets. Bioscience Reports, 2023, 43, .	2.4	1
594	In Vitro Evaluation of the Antibacterial Activity of the Peptide Fractions Extracted from the Hemolymph of <i>Hermetia illucens</i> (Diptera: Stratiomyidae). Insects, 2023, 14, 464.	2.2	8
595	Dual functional therapeutics: mitigating bacterial infection and associated inflammation. RSC Medicinal Chemistry, 0, , .	3.9	0
596	Tendon-inspired hybrid hydrogel based on polyvinyl alcohol and gallic acid-lysozyme for promoting wound closure and healing. International Journal of Biological Macromolecules, 2023, 247, 125583.	7.5	3
597	Bactericidal role of epidermal mucus of freshwater fish treated with <i>Aeromonas hydrophila</i> . Journal of Fish Diseases, 2023, 46, 1225-1237.	1.9	2
598	Antimicrobial Peptides Originating from Expression Libraries of <i>Aurelia aurita</i> and <i>Mnemiopsis leidyi</i> Prevent Biofilm Formation of Opportunistic Pathogens. Microorganisms, 2023, 11, 2184.	3.6	0
599	Antibiotic-Peptide Conjugation Against Multi-drug Resistant Pathogens: A Comprehensive Review for Therapeutics and Drug Delivery Strategies. International Journal of Peptide Research and Therapeutics, 2023, 29, .	1.9	1
600	Antimicrobial Peptides. Current Pharmacology Reports, 2023, 9, 433-454.	3.0	1
601	Antimicrobial peptides – characteristic and diagnosticsuitability. Diagnostyka Laboratoryjna i WiadomoÅci PTDL, 2023, 59, 48-53.	0.1	0
603	Self-assembly of peptide nanomaterials at biointerfaces: molecular design and biomedical applications. Chemical Communications, 2024, 60, 2009-2021.	4.1	0
604	Polymer implants for cardiovascular application. , 2024, , 271-293.		0