

Agar and broth dilution methods to determine the mini of antimicrobial substances

Nature Protocols

3, 163-175

DOI: [10.1038/nprot.2007.521](https://doi.org/10.1038/nprot.2007.521)

Citation Report

#	ARTICLE	IF	CITATIONS
19	Use of a real-time polymerase chain reaction thermocycler to study bacterial cell permeabilization by antimicrobial peptides. <i>Analytical Biochemistry</i> , 2008, 381, 279-281.	1.1	16
20	Rational Design of Antimicrobial C3a Analogues with Enhanced Effects against Staphylococci Using an Integrated Structure and Function-Based Approach. <i>Biochemistry</i> , 2008, 47, 9057-9070.	1.2	64
21	Mutator Genes Giving Rise to Decreased Antibiotic Susceptibility in <i>Pseudomonas aeruginosa</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2008, 52, 3810-3813.	1.4	31
22	Complex Ciprofloxacin Resistome Revealed by Screening a <i>Pseudomonas aeruginosa</i> Mutant Library for Altered Susceptibility. <i>Antimicrobial Agents and Chemotherapy</i> , 2008, 52, 4486-4491.	1.4	158
23	Determination of the Antibacterial Efficacy of Common Chemical Agents in Cleaning and Disinfection in Hospitals of North Jordan. <i>American Journal of Applied Sciences</i> , 2009, 6, 811-815.	0.1	4
24	Bacteria, biofilm and honey: A study of the effects of honey on planktonic and biofilm-embedded chronic wound bacteria. <i>Scandinavian Journal of Infectious Diseases</i> , 2009, 41, 341-347.	1.5	107
25	Antimicrobial action of atorvastatin and rosuvastatin. <i>Pathology</i> , 2009, 41, 689-691.	0.3	22
26	Evaluation of Strategies for Improving Proteolytic Resistance of Antimicrobial Peptides by Using Variants of EFK17, an Internal Segment of LL-37. <i>Antimicrobial Agents and Chemotherapy</i> , 2009, 53, 593-602.	1.4	171
27	Regulated Delayed Expression of <i>rfaH</i> in an Attenuated <i>Salmonella enterica</i> Serovar Typhimurium Vaccine Enhances Immunogenicity of Outer Membrane Proteins and a Heterologous Antigen. <i>Infection and Immunity</i> , 2009, 77, 5572-5582.	1.0	40
28	A Protein Important for Antimicrobial Peptide Resistance, Ydel/OmdA, Is in the Periplasm and Interacts with OmpD/NmpC. <i>Journal of Bacteriology</i> , 2009, 191, 7243-7252.	1.0	53
29	Identification of OxyE as an Ancillary Oxygenase during Tetracycline Biosynthesis. <i>ChemBioChem</i> , 2009, 10, 1544-1550.	1.3	22
30	An outer membrane protease of the omptin family prevents activation of the <i>Citrobacter rodentium</i> PhoPQ two-component system by antimicrobial peptides. <i>Molecular Microbiology</i> , 2009, 74, 98-111.	1.2	26
31	Screening and Characterization of Surface-Tethered Cationic Peptides for Antimicrobial Activity. <i>Chemistry and Biology</i> , 2009, 16, 58-69.	6.2	197
32	Use of magnetic carboxyl beads to purify a cationic peptide in a batch system. <i>Analytical Biochemistry</i> , 2009, 384, 350-352.	1.1	4
33	Lysozyme Catalyzes the Formation of Antimicrobial Silver Nanoparticles. <i>ACS Nano</i> , 2009, 3, 984-994.	7.3	219
34	Enhancing antibiotic activity: a strategy to control <i>Acinetobacter</i> infections. <i>Journal of Antimicrobial Chemotherapy</i> , 2009, 64, 1203-1211.	1.3	78
35	Tryptophan end-tagging of antimicrobial peptides for increased potency against <i>Pseudomonas aeruginosa</i> . <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2009, 1790, 800-808.	1.1	46
36	Variations in MIC value caused by differences in experimental protocol. <i>Journal of Microbiological Methods</i> , 2009, 79, 44-47.	0.7	48

#	ARTICLE	IF	CITATIONS
37	Antibacterial activity and cytotoxicity of PEGylated poly(amidoamine) dendrimers. <i>Molecular BioSystems</i> , 2009, 5, 1148.	2.9	122
38	Synthesis of Highly Antibacterial Nanocrystalline Trivalent Silver Polydiguanide. <i>Journal of the American Chemical Society</i> , 2009, 131, 16147-16155.	6.6	68
39	Structure, Dynamics, and Activity of an All-Cysteine Mutated Human β 2 Defensin-3 Peptide Analogue. <i>Biochemistry</i> , 2009, 48, 6052-6061.	1.2	34
40	Superficial myofibroblastoma of the lower female genital tract in the uterine cervix showing focal pseudosarcomatous morphology. <i>Pathology</i> , 2009, 41, 691-693.	0.3	5
41	Biosynthesis and recovery of selenium nanoparticles and the effects on matrix metalloproteinase-2 expression. <i>Biotechnology and Applied Biochemistry</i> , 2010, 56, 7-15.	1.4	151
42	Structural determinants of antimicrobial activity in polymers which mimic host defense peptides. <i>Applied Microbiology and Biotechnology</i> , 2010, 87, 1605-1615.	1.7	235
43	Inhibition of bacterial growth and intramniotic infection in a guinea pig model of chorioamnionitis using PAMAM dendrimers. <i>International Journal of Pharmaceutics</i> , 2010, 395, 298-308.	2.6	135
44	The efficacy of self-assembled cationic antimicrobial peptide nanoparticles against <i>Cryptococcus neoformans</i> for the treatment of meningitis. <i>Biomaterials</i> , 2010, 31, 2874-2881.	5.7	120
45	A novel approach for assessing the susceptibility of <i>Escherichia coli</i> to antibiotics. <i>Science China Life Sciences</i> , 2010, 53, 1346-1355.	2.3	3
46	Novel Topical Microbicides Through Combinatorial Strategies. <i>Pharmaceutical Research</i> , 2010, 27, 1264-1272.	1.7	2
47	Use of natural antimicrobials to increase antibiotic susceptibility of drug resistant bacteria. <i>International Journal of Food Microbiology</i> , 2010, 140, 164-168.	2.1	258
48	A universal approach for promoter strength evaluation supported by the web-based tool PromCal. <i>Analytical Biochemistry</i> , 2010, 396, 83-90.	1.1	3
49	Structural Studies of a Peptide with Immune Modulating and Direct Antimicrobial Activity. <i>Chemistry and Biology</i> , 2010, 17, 970-980.	6.2	143
50	iTRAQ-coupled two-dimensional liquid chromatography/tandem mass spectrometric analysis of protein profile in <i>Escherichia coli</i> incubated with human neutrophil peptide 1 - potential in antimicrobial strategy. <i>Rapid Communications in Mass Spectrometry</i> , 2010, 24, 2787-2790.	0.7	7
51	Generation of ramoplanin-resistant <i>Staphylococcus aureus</i> . <i>FEMS Microbiology Letters</i> , 2010, 310, 104-111.	0.7	14
52	The <i>Mycobacterium tuberculosis</i> protein LdtMt2 is a nonclassical transpeptidase required for virulence and resistance to amoxicillin. <i>Nature Medicine</i> , 2010, 16, 466-469.	15.2	242
53	Microtiter susceptibility testing of microbes growing on peg lids: a miniaturized biofilm model for high-throughput screening. <i>Nature Protocols</i> , 2010, 5, 1236-1254.	5.5	262
54	<i>Escherichia coli</i> Cell Surface Perturbation and Disruption Induced by Antimicrobial Peptides BP100 and pepR. <i>Journal of Biological Chemistry</i> , 2010, 285, 27536-27544.	1.6	193

#	ARTICLE	IF	CITATIONS
55	Signature gene expression profile of triclosan-resistant <i>Escherichia coli</i> . <i>Journal of Antimicrobial Chemotherapy</i> , 2010, 65, 1171-1177.	1.3	36
56	Genetic Determinants Involved in the Susceptibility of <i>Pseudomonas aeruginosa</i> to β -Lactam Antibiotics. <i>Antimicrobial Agents and Chemotherapy</i> , 2010, 54, 4159-4167.	1.4	149
57	The Biocide Chlorine Dioxide Stimulates Biofilm Formation in <i>Bacillus subtilis</i> by Activation of the Histidine Kinase KinC. <i>Journal of Bacteriology</i> , 2010, 192, 6352-6356.	1.0	83
58	Proteolysis of Human Thrombin Generates Novel Host Defense Peptides. <i>PLoS Pathogens</i> , 2010, 6, e1000857.	2.1	131
59	Strategies for the Discovery and Advancement of Novel Cationic Antimicrobial Peptides. <i>Current Topics in Medicinal Chemistry</i> , 2010, 10, 1872-1881.	1.0	79
60	Cryptic prophages help bacteria cope with adverse environments. <i>Nature Communications</i> , 2010, 1, 147.	5.8	560
61	Assessment of the activity of RND-type multidrug efflux pumps in <i>Pseudomonas aeruginosa</i> using tetraphenylphosphonium ions. <i>International Journal of Antimicrobial Agents</i> , 2010, 36, 234-238.	1.1	11
62	Structure, Interactions, and Antibacterial Activities of MSI-594 Derived Mutant Peptide MSI-594F5A in Lipopolysaccharide Micelles: Role of the Helical Hairpin Conformation in Outer-Membrane Permeabilization. <i>Journal of the American Chemical Society</i> , 2010, 132, 18417-18428.	6.6	104
63	Easy Strategy To Protect Antimicrobial Peptides from Fast Degradation in Serum. <i>Antimicrobial Agents and Chemotherapy</i> , 2010, 54, 4003-4005.	1.4	86
64	Minimum inhibitory concentrations of medicinal plants used in Northern Peru as antibacterial remedies. <i>Journal of Ethnopharmacology</i> , 2010, 132, 101-108.	2.0	283
65	The membrane insertion of helical antimicrobial peptides from the N-terminus of <i>Helicobacter pylori</i> ribosomal protein L1. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2010, 1798, 544-557.	1.4	45
66	Structural contributions to the intracellular targeting strategies of antimicrobial peptides. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2010, 1798, 1934-1943.	1.4	63
67	Structure-activity relationship of human liver-expressed antimicrobial peptide 2. <i>Peptides</i> , 2010, 31, 58-66.	1.2	43
68	Antimicrobial peptides of an anti-lipopolysaccharide factor, epinecidin-1, and hepcidin reduce the lethality of <i>Riemerella anatipestifer</i> sepsis in ducks. <i>Peptides</i> , 2010, 31, 806-815.	1.2	24
69	Cost-effective expression and purification of antimicrobial and host defense peptides in <i>Escherichia coli</i> . <i>Peptides</i> , 2010, 31, 1957-1965.	1.2	137
70	Regulated delayed expression of <i>rfc</i> enhances the immunogenicity and protective efficacy of a heterologous antigen delivered by live attenuated <i>Salmonella enterica</i> vaccines. <i>Vaccine</i> , 2010, 28, 6094-6103.	1.7	34
71	High-throughput discovery of broad-spectrum peptide antibiotics. <i>FASEB Journal</i> , 2010, 24, 3232-3238.	0.2	56
72	Purification and Characterization of Biologically active Peptides from Spider Venoms. <i>Methods in Molecular Biology</i> , 2010, 615, 87-100.	0.4	28

#	ARTICLE	IF	CITATIONS
73	Describing the Mechanism of Antimicrobial Peptide Action with the Interfacial Activity Model. ACS Chemical Biology, 2010, 5, 905-917.	1.6	786
74	Characterization of clonal strains of <i>Pseudomonas aeruginosa</i> isolated from cystic fibrosis patients in Ontario, Canada. Canadian Journal of Microbiology, 2010, 56, 548-557.	0.8	16
75	Bead diffusion assay for discovering antimicrobial cyclic peptides. Chemical Communications, 2011, 47, 1434-1436.	2.2	27
76	The Sensor Kinase CbrA Is a Global Regulator That Modulates Metabolism, Virulence, and Antibiotic Resistance in <i>Pseudomonas aeruginosa</i> . Journal of Bacteriology, 2011, 193, 918-931.	1.0	130
77	Mechanism of Polymer-Induced Hemolysis: Nanosized Pore Formation and Osmotic Lysis. Biomacromolecules, 2011, 12, 260-268.	2.6	101
78	Development of a High-Throughput Cloning Strategy for Characterization of <i>Acinetobacter baumannii</i> Drug Transporter Proteins. Journal of Molecular Microbiology and Biotechnology, 2011, 20, 211-219.	1.0	9
79	Antibiotic Resistance in Waste Water and Surface Water and Human Health Implications. Handbook of Environmental Chemistry, 2011, , 173-212.	0.2	7
80	Inhibition of DNA gyrase and DNA topoisomerase IV of <i>Staphylococcus aureus</i> and <i>Escherichia coli</i> by aminocoumarin antibiotics. Journal of Antimicrobial Chemotherapy, 2011, 66, 2061-2069.	1.3	91
81	Antibacterial activity of a synthetic peptide that mimics the LPS binding domain of Indian mud crab, <i>Scylla serrata</i> Anti-lipopolysaccharide Factor (SsALF) also involved in the modulation of vaginal immune functions through NF- κ B signaling. Microbial Pathogenesis, 2011, 50, 179-191.	1.3	18
82	Exploring the pharmacological potential of promiscuous host-defense peptides: from natural screenings to biotechnological applications. Frontiers in Microbiology, 2011, 2, 232.	1.5	51
83	Highly Selective End-Tagged Antimicrobial Peptides Derived from PRELP. PLoS ONE, 2011, 6, e16400.	1.1	68
84	Crystal Structure of an Integron Gene Cassette-Associated Protein from <i>Vibrio cholerae</i> Identifies a Cationic Drug-Binding Module. PLoS ONE, 2011, 6, e16934.	1.1	13
85	iTRAQ-Coupled 2-D LC-MS/MS Analysis of Membrane Protein Profile in <i>Escherichia coli</i> Incubated with Apidaecin IB. PLoS ONE, 2011, 6, e20442.	1.1	15
86	AcrB Trimer Stability and Efflux Activity, Insight from Mutagenesis Studies. PLoS ONE, 2011, 6, e28390.	1.1	25
87	BacM, an N-terminally processed bactofilin of <i>Myxococcus xanthus</i> , is crucial for proper cell shape. Molecular Microbiology, 2011, 80, 1031-1051.	1.2	56
88	Antimicrobial β -Peptides and β -Peptoids. Chemical Biology and Drug Design, 2011, 77, 107-116.	1.5	110
89	The <i>olsA</i> gene mediates the synthesis of an ornithine lipid in <i>Pseudomonas aeruginosa</i> during growth under phosphate-limiting conditions, but is not involved in antimicrobial peptide susceptibility. FEMS Microbiology Letters, 2011, 320, 95-102.	0.7	37
90	Thymic stromal lymphopoietin exerts antimicrobial activities. Experimental Dermatology, 2011, 20, 1004-1010.	1.4	30

#	ARTICLE	IF	CITATIONS
91	Rifamycin inhibition of WT and Rif-resistant Mycobacterium tuberculosis and Escherichia coli RNA polymerases in vitro. Tuberculosis, 2011, 91, 361-369.	0.8	41
92	Puroindolines, Pin alleles, hordoinolines and grain softness proteins are sources of bactericidal and fungicidal peptides. Journal of Cereal Science, 2011, 53, 112-117.	1.8	32
93	Synthesis, antimicrobial activity and possible mechanism of action of 9-bromo-substituted indolizinoquinoline-5,12-dione derivatives. European Journal of Medicinal Chemistry, 2011, 46, 4625-4633.	2.6	14
94	Isolation and characterization of lead-tolerant Ochrobactrum intermedium and its role in enhancing lead accumulation by Eucalyptus camaldulensis. Chemosphere, 2011, 85, 584-590.	4.2	47
95	Antibacterial Activity, Cytotoxicity and Mechanisms of action of Cathelicidin Peptides against Enteric Pathogens in Weaning Piglets. International Journal of Peptide Research and Therapeutics, 2011, 17, 175-184.	0.9	16
96	Antimicrobial peptides derived from different animals: comparative studies of antimicrobial properties, cytotoxicity and mechanism of action. World Journal of Microbiology and Biotechnology, 2011, 27, 1847-1857.	1.7	25
97	Synthesis and antibacterial evaluation of 6-azapyrimidines with \pm -methylene- β -(4-substituted) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 502	1.1	8
98	Cyclic antimicrobial R-, W-rich peptides: the role of peptide structure and E. coli outer and inner membranes in activity and the mode of action. European Biophysics Journal, 2011, 40, 515-528.	1.2	47
99	An alternative physiological role for the EmhABC efflux pump in Pseudomonas fluorescens cLP6a. BMC Microbiology, 2011, 11, 252.	1.3	42
100	An Artificial Pathway to 3,4-Dihydroxybenzoic Acid Allows Generation of New Aminocoumarin Antibiotic Recognized by Catechol Transporters of E. coli. Chemistry and Biology, 2011, 18, 304-313.	6.2	25
101	Enediol mimics as inhibitors of the d-arabinose 5-phosphate isomerase (KdsD) from Francisella tularensis. Bioorganic and Medicinal Chemistry Letters, 2011, 21, 2679-2682.	1.0	16
102	Essential oils of Retama raetam from Libya: chemical composition and antimicrobial activity. Natural Product Research, 2011, 25, 927-933.	1.0	14
103	Age of Inoculum Strongly Influences Persister Frequency and Can Mask Effects of Mutations Implicated in Altered Persistence. Journal of Bacteriology, 2011, 193, 3598-3605.	1.0	169
104	Absence of PmrAB-Mediated Phosphoethanolamine Modifications of Citrobacter rodentium Lipopolysaccharide Affects Outer Membrane Integrity. Journal of Bacteriology, 2011, 193, 2168-2176.	1.0	20
105	Artificial gene amplification reveals an abundance of promiscuous resistance determinants in Escherichia coli. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 1484-1489.	3.3	144
106	Roles of DHA2 Family Transporters in Drug Resistance and Iron Homeostasis in Acinetobacter spp.. Journal of Molecular Microbiology and Biotechnology, 2011, 20, 116-124.	1.0	34
107	Mechanism of Action and Limited Cross-Resistance of New Lipopeptide MX-2401. Antimicrobial Agents and Chemotherapy, 2011, 55, 2743-2754.	1.4	86
108	Palmitoylation State Impacts Induction of Innate and Acquired Immunity by the Salmonella enterica Serovar Typhimurium msbB Mutant. Infection and Immunity, 2011, 79, 5027-5038.	1.0	42

#	ARTICLE	IF	CITATIONS
109	Essential Metabolites of Mycobacterium tuberculosis and Their Mimics. MBio, 2011, 2, e00301-10.	1.8	56
110	Structure-Activity Studies and Therapeutic Potential of Host Defense Peptides of Human Thrombin. Antimicrobial Agents and Chemotherapy, 2011, 55, 2880-2890.	1.4	63
111	Effect of Deletion of Genes Involved in Lipopolysaccharide Core and O-Antigen Synthesis on Virulence and Immunogenicity of Salmonella enterica Serovar Typhimurium. Infection and Immunity, 2011, 79, 4227-4239.	1.0	168
112	Deciphering the Mode of Action of the Synthetic Antimicrobial Peptide Bac8c. Antimicrobial Agents and Chemotherapy, 2011, 55, 1706-1716.	1.4	95
113	Activity and Mechanism of Antimicrobial Peptide-Mimetic Amphiphilic Polymethacrylate Derivatives. Polymers, 2011, 3, 1512-1532.	2.0	84
114	Compounds from <i>Arnebia euchroma</i> and Their Related Anti-HCV and Antibacterial Activities. Planta Medica, 2012, 78, 39-45.	0.7	53
115	Cysteine Catabolism and Cysteine Desulfhydrase (CdsH/STM0458) in Salmonella enterica Serovar Typhimurium. Journal of Bacteriology, 2012, 194, 4366-4376.	1.0	68
116	Response and Biochemical Alteration of <i>Vibrio parahaemolyticus</i> to Chlorine-Containing Disinfectants. Advanced Materials Research, 0, 586, 92-98.	0.3	0
117	Conformational Flexibility Determines Selectivity and Antibacterial, Antiplasmodial, and Anticancer Potency of Cationic α -Helical Peptides*. Journal of Biological Chemistry, 2012, 287, 34120-34133.	1.6	78
118	Discovering New In Silico Tools for Antimicrobial Peptide Prediction. Current Drug Targets, 2012, 13, 1148-1157.	1.0	23
119	The Two-Component System CprRS Senses Cationic Peptides and Triggers Adaptive Resistance in Pseudomonas aeruginosa Independently of ParRS. Antimicrobial Agents and Chemotherapy, 2012, 56, 6212-6222.	1.4	123
120	Prospective Screening of Novel Antibacterial Inhibitors of Dihydrofolate Reductase for Mutational Resistance. Antimicrobial Agents and Chemotherapy, 2012, 56, 3556-3562.	1.4	27
121	The Bacterial Surface Layer Provides Protection against Antimicrobial Peptides. Applied and Environmental Microbiology, 2012, 78, 5452-5456.	1.4	30
122	Role of Intracellular Proteases in the Antibiotic Resistance, Motility, and Biofilm Formation of Pseudomonas aeruginosa. Antimicrobial Agents and Chemotherapy, 2012, 56, 1128-1132.	1.4	83
123	Molecular characterization of strains of fluoroquinolone-resistant Salmonella enterica serovar Schwarzengrund carrying multidrug resistance isolated from imported foods. Journal of Antimicrobial Chemotherapy, 2012, 67, 101-110.	1.3	36
124	Antioxidant and antimicrobial properties of five medicinal Libyan plants extracts. Natural Science, 2012, 04, 324-335.	0.2	22
125	Biofilm formation and susceptibility towards antimicrobial agents in local clinical isolates of staphylococcus epidermidis. , 2012, , .		0
126	OmpT Outer Membrane Proteases of Enterohemorrhagic and Enteropathogenic Escherichia coli Contribute Differently to the Degradation of Human LL-37. Infection and Immunity, 2012, 80, 483-492.	1.0	86

#	ARTICLE	IF	CITATIONS
127	Cationic amphiphilic alpha-helical peptides for the treatment of carbapenem-resistant <i>Acinetobacter baumannii</i> infection. <i>Biomaterials</i> , 2012, 33, 8841-8847.	5.7	31
128	Effect of <i>Azadirachta indica</i> leaves extract on acetic acid-induced colitis in rats: Role of antioxidants, free radicals and myeloperoxidase. <i>Asian Pacific Journal of Tropical Disease</i> , 2012, 2, S651-S657.	0.5	15
129	Digested and Fermented Green Kiwifruit Increases Human β^2 -Defensin 1 and 2 Production In vitro. <i>Plant Foods for Human Nutrition</i> , 2012, 67, 208-214.	1.4	22
130	Influence of rifampicin and tetracycline administration on some biochemical and histological parameters in albino rats. <i>Journal of Basic and Applied Zoology</i> , 2012, 65, 299-308.	0.4	22
131	Antibacterial activity of <i>Parmelia perlata</i> . <i>Asian Pacific Journal of Tropical Biomedicine</i> , 2012, 2, S892-S894.	0.5	7
132	Evaluation of antibacterial activity of selected medicinal plant extracts from south India against human pathogens. <i>Asian Pacific Journal of Tropical Disease</i> , 2012, 2, S296-S301.	0.5	18
133	Active antimicrobial food and beverage packaging. , 2012, , 27-54.		14
134	Membrane disrupting antimicrobial peptide dendrimers with multiple amino termini. <i>MedChemComm</i> , 2012, 3, 86-89.	3.5	43
135	Lipopeptide biosurfactants from <i>Paenibacillus polymyxa</i> inhibit single and mixed species biofilms. <i>Biofouling</i> , 2012, 28, 1151-1166.	0.8	45
136	Reversing Bacterial Resistance to Antibiotics by Phage-Mediated Delivery of Dominant Sensitive Genes. <i>Applied and Environmental Microbiology</i> , 2012, 78, 744-751.	1.4	173
137	Reduced susceptibility to chlorhexidine in staphylococci: is it increasing and does it matter?. <i>Journal of Antimicrobial Chemotherapy</i> , 2012, 67, 2547-2559.	1.3	231
138	Involvement of the Lon Protease in the SOS Response Triggered by Ciprofloxacin in <i>Pseudomonas aeruginosa</i> PAO1. <i>Antimicrobial Agents and Chemotherapy</i> , 2012, 56, 2879-2887.	1.4	50
139	Cationic Spacer Arm Design Strategy for Control of Antimicrobial Activity and Conformation of Amphiphilic Methacrylate Random Copolymers. <i>Biomacromolecules</i> , 2012, 13, 1632-1641.	2.6	161
140	Transposon Mutagenesis of <i>Salmonella enterica</i> Serovar Enteritidis Identifies Genes That Contribute to Invasiveness in Human and Chicken Cells and Survival in Egg Albumen. <i>Infection and Immunity</i> , 2012, 80, 4203-4215.	1.0	56
141	Phosphatidylethanolamine Binding Is a Conserved Feature of Cyclotide-Membrane Interactions. <i>Journal of Biological Chemistry</i> , 2012, 287, 33629-33643.	1.6	115
142	Combining microdilution with MicroResp [®] : Microbial substrate utilization, antimicrobial susceptibility and respiration. <i>Journal of Microbiological Methods</i> , 2012, 88, 399-412.	0.7	12
143	Emerging trends in macromolecular antimicrobials to fight multi-drug-resistant infections. <i>Nano Today</i> , 2012, 7, 201-222.	6.2	312
144	Green tea extract: Possible mechanism and antibacterial activity on skin pathogens. <i>Food Chemistry</i> , 2012, 135, 672-675.	4.2	90

#	ARTICLE	IF	CITATIONS
145	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.	1.3	20
146	Antibacterial activities of gold and silver nanoparticles against <i>Escherichia coli</i> and <i>Bacillus Calmette-Guérin</i> . <i>Journal of Nanobiotechnology</i> , 2012, 10, 19.	4.2	401
147	Silver Nanoparticle Antimicrobials and Related Materials. , 2012, , 3-45.		10
148	Evaluation of antimicrobial activity and bronchodilator effect of a polyherbal drug "Shrishadi". <i>Asian Pacific Journal of Tropical Biomedicine</i> , 2012, 2, 905-909.	0.5	18
149	Efficacy of tetracycline encapsulated O-carboxymethyl chitosan nanoparticles against intracellular infections of <i>Staphylococcus aureus</i> . <i>International Journal of Biological Macromolecules</i> , 2012, 51, 392-399.	3.6	150
150	Importance of the disulfide bridges in the antibacterial activity of human hepcidin. <i>Peptides</i> , 2012, 36, 303-307.	1.2	56
151	Assembling of AcrB Trimer in Cell Membrane. <i>Journal of Molecular Biology</i> , 2012, 423, 123-134.	2.0	14
152	Biosynthesis and recovery of rod-shaped tellurium nanoparticles and their bactericidal activities. <i>Materials Research Bulletin</i> , 2012, 47, 3719-3725.	2.7	93
153	A Rhodanine Derivative CCR-11 Inhibits Bacterial Proliferation by Inhibiting the Assembly and GTPase Activity of FtsZ. <i>Biochemistry</i> , 2012, 51, 5434-5442.	1.2	39
154	Chapter 6. Biological Methods for Characterisation of Nano-Anti-Microbial Materials. RSC Nanoscience and Nanotechnology, 2012, , 153-192.	0.2	1
155	In vitro antibacterial activity on human pathogens and total phenolic, flavonoid contents of <i>Murraya paniculata</i> Linn. leaves. <i>Asian Pacific Journal of Tropical Biomedicine</i> , 2012, 2, S1660-S1663.	0.5	23
156	Polyethylene glycol-stabilized sulphur nanoparticles: an effective antimicrobial agent against multidrug-resistant bacteria. <i>Journal of Antimicrobial Chemotherapy</i> , 2012, 67, 1134-1137.	1.3	55
157	Structure, Dynamics, and Antimicrobial and Immune Modulatory Activities of Human LL-23 and Its Single-Residue Variants Mutated on the Basis of Homologous Primate Cathelicidins. <i>Biochemistry</i> , 2012, 51, 653-664.	1.2	55
158	De Novo Cyclic Pseudopeptides Containing Aza ³ -amino Acids Exhibiting Antimicrobial Activities. <i>Journal of Medicinal Chemistry</i> , 2012, 55, 10885-10895.	2.9	18
159	Thioester-isocyanides: versatile reagents for the synthesis of cyclic tail peptides. <i>Chemical Communications</i> , 2012, 48, 3775.	2.2	34
160	Cleavable Cationic Antibacterial Amphiphiles: Synthesis, Mechanism of Action, and Cytotoxicities. <i>Langmuir</i> , 2012, 28, 12225-12234.	1.6	152
161	Quorum quenching quandary: resistance to antivirulence compounds. <i>ISME Journal</i> , 2012, 6, 493-501.	4.4	254
162	Comparative in vitro Antimicrobial and Phytochemical Evaluation of Methanolic Extract of Root, Stem and Leaf of <i>Jatropha curcas</i> Linn. <i>Pharmacognosy Journal</i> , 2012, 4, 34-40.	0.3	40

#	ARTICLE	IF	CITATIONS
163	Biodegradable Polymer (PLGA) Coatings Featuring Cinnamaldehyde and Carvacrol Mitigate Biofilm Formation. <i>Langmuir</i> , 2012, 28, 13993-13999.	1.6	72
164	Preussianone, a New Flavanone-Chromone Biflavonoid from <i>Garcinia preussii</i> Engl.. <i>Molecules</i> , 2012, 17, 6114-6125.	1.7	28
165	Toward New Therapeutics for Skin and Soft Tissue Infections: Propargyl-Linked Antifolates Are Potent Inhibitors of MRSA and <i>Streptococcus pyogenes</i> . <i>PLoS ONE</i> , 2012, 7, e29434.	1.1	32
166	Evaluation of an Antimicrobial L-Amino Acid Oxidase and Peptide Derivatives from <i>Bothropoides mattogrossensis</i> Pitviper Venom. <i>PLoS ONE</i> , 2012, 7, e33639.	1.1	45
167	Twelve Positions in a β -Lactamase That Can Expand Its Substrate Spectrum with a Single Amino Acid Substitution. <i>PLoS ONE</i> , 2012, 7, e37585.	1.1	36
168	Extensive In Vivo Resilience of Persistent <i>Salmonella</i> . <i>PLoS ONE</i> , 2012, 7, e42007.	1.1	24
169	Antimicrobial Peptide Trichokonin VI-Induced Alterations in the Morphological and Nanomechanical Properties of <i>Bacillus subtilis</i> . <i>PLoS ONE</i> , 2012, 7, e45818.	1.1	31
170	Effect of different extracts of <i>Stevia rebaudiana</i> leaves on <i>Streptococcus mutans</i> growth. <i>Journal of Medicinal Plants Research</i> , 2012, 6, .	0.2	8
171	Antioxidant and Antimicrobial Activities of <i>Cynara scolymus</i> L. Rhizomes. <i>Modern Applied Science</i> , 2012, 6, .	0.4	7
172	Alkaloid profile, antibacterial and allelopathic activities of <i>Lupinus jaimehintoniana</i> B.L. Turner (Fabaceae). <i>Archives of Biological Sciences</i> , 2012, 64, 1065-1071.	0.2	8
173	Inhibition of Bacterial Biofilm Formation and Swarming Motility by a Small Synthetic Cationic Peptide. <i>Antimicrobial Agents and Chemotherapy</i> , 2012, 56, 2696-2704.	1.4	388
174	Role of Hydrophobic Forces and Backbone Hydrogen Bonding on Helical Stability of Peptide Encapsulated Into Single Wall Carbon Nanotubes. <i>Journal of Computational and Theoretical Nanoscience</i> , 2012, 9, 783-788.	0.4	2
175	ϵ -CAMP1: A new promiscuous peptide with potential for microbial infections treatment. <i>Biopolymers</i> , 2012, 98, 322-331.	1.2	45
176	[1,2,4]Triazolo[4,3-a]quinoxaline: synthesis, antiviral, and antimicrobial activities. <i>Medicinal Chemistry Research</i> , 2012, 21, 2368-2378.	1.1	36
177	Rapid inactivation of <i>Cronobacter sakazakii</i> on copper alloys following periods of desiccation stress. <i>World Journal of Microbiology and Biotechnology</i> , 2012, 28, 1837-1841.	1.7	8
178	Ultraviolet induction of antifungal activity in plants. <i>Mycoses</i> , 2012, 55, 507-513.	1.8	3
179	Solubilized Gramicidin A as Potential Systemic Antibiotics. <i>ChemBioChem</i> , 2012, 13, 51-55.	1.3	53
180	Closing One of the Last Gaps in Polyionene Compositions: Alkyloxyethylammonium Ionenes as Fast-Acting Biocides. <i>Macromolecular Bioscience</i> , 2012, 12, 341-349.	2.1	27

#	ARTICLE	IF	CITATIONS
181	Differential sensitivity of polyhydroxyalkanoate producing bacteria to fermentation inhibitors and comparison of polyhydroxybutyrate production from Burkholderia cepacia and Pseudomonas pseudoflava. BMC Research Notes, 2013, 6, 219.	0.6	33
182	Evaluation of physicochemical properties, and antimicrobial efficacy of monoclinic sulfur-nanocolloid. Journal of Nanoparticle Research, 2013, 15, 1.	0.8	41
183	Design, expression and characterization of the hybrid antimicrobial peptide LHP7, connected by a flexible linker, against Staphylococcus and Streptococcus. Process Biochemistry, 2013, 48, 453-461.	1.8	41
184	Plumbagin inhibits cytokinesis in <i>Bacillus subtilis</i> by inhibiting σ^F σ^Z assembly – a mechanistic study of its antibacterial activity. FEBS Journal, 2013, 280, 4585-4599.	2.2	49
185	TypA is involved in virulence, antimicrobial resistance and biofilm formation in Pseudomonas aeruginosa. BMC Microbiology, 2013, 13, 77.	1.3	65
186	Design and synthesis of novel complexes containing N-phenyl-1H-pyrazole moiety: Ni complex as potential antifungal and antiproliferative compound. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2013, 115, 469-475.	2.0	14
187	Chemical Constituents and Antimicrobial Activity of Indian Green Leafy Vegetable Cardiospermum halicacabum. Indian Journal of Microbiology, 2013, 53, 208-213.	1.5	24
188	Design, synthesis and antimicrobial activity of novel benzothiazole analogs. European Journal of Medicinal Chemistry, 2013, 63, 635-644.	2.6	91
189	Investigation of antimicrobial physiology of orthorhombic and monoclinic nanoallotropes of sulfur at the interface of transcriptome and metabolome. Applied Microbiology and Biotechnology, 2013, 97, 5965-5978.	1.7	26
190	Antimicrobial Peptides and Innate Immunity. , 2013, , .		11
191	Sub-inhibitory concentrations of antibiotics and wastewater influencing biofilm formation and gene expression of multi-resistant Pseudomonas aeruginosa wastewater isolates. Environmental Science and Pollution Research, 2013, 20, 3539-3549.	2.7	40
192	Rhodomycin analogues from Streptomyces purpurascens: isolation, characterization and biological activities. SpringerPlus, 2013, 2, 93.	1.2	9
193	Peptides: β -Cyclodextrin Inclusion Compounds as Highly Effective Antimicrobial and Anti-Epithelial Proliferation Agents. Journal of Periodontology, 2013, 84, 1858-1868.	1.7	14
194	Phytochemical screening and in vitro antimicrobial activity of Thymus lanceolatus Desf. from Algeria. Asian Pacific Journal of Tropical Disease, 2013, 3, 454-459.	0.5	15
195	Antibacterial activity of novel 2-(substituted sulfonamido) benzoic acid derivatives. Journal of Pharmacy Research, 2013, 7, 525-528.	0.4	2
196	Production, purification and characterization of an antimicrobial compound from marine Streptomyces coeruleorubidus BTSS-301. Journal of Pharmacy Research, 2013, 7, 397-403.	0.4	10
197	Antimicrobial effect of sodium houttuynonate on Staphylococcus epidermidis and Candida albicans biofilms. Journal of Traditional Chinese Medicine = Chung I Tsa Chih Ying Wen Pan / Sponsored By All-China Association of Traditional Chinese Medicine, Academy of Traditional Chinese Medicine, 2013, 33, 798-803.	0.4	15
198	Thermal studies, structural characterization, and antimicrobial evaluation of coordinated metal complexes containing salen moiety. Monatshefte für Chemie, 2013, 144, 1627-1634.	0.9	5

#	ARTICLE	IF	CITATIONS
199	Synergistic interactions of cinnamaldehyde in combination with carvacrol against food-borne bacteria. <i>Food Control</i> , 2013, 34, 619-623.	2.8	85
200	Bacterial evolution of antibiotic hypersensitivity. <i>Molecular Systems Biology</i> , 2013, 9, 700.	3.2	277
201	Biofunctionalized Multiwalled Carbon Nanotube: A Reactive Component for the in Situ Polymerization of Hyperbranched Poly(ester amide) and its Biophysico Interfacial Properties. <i>Journal of Physical Chemistry C</i> , 2013, 117, 25097-25107.	1.5	12
202	Molecular basis for the increased polymyxin susceptibility of <i>Klebsiella pneumoniae</i> strains with under-acylated lipid A. <i>Innate Immunity</i> , 2013, 19, 265-277.	1.1	36
203	Structure-Activity Relationship of Flavonoids on Their Anti- <i>Escherichia coli</i> Activity and Inhibition of DNA Gyrase. <i>Journal of Agricultural and Food Chemistry</i> , 2013, 61, 8185-8190.	2.4	133
204	Supramolecular high-aspect ratio assemblies with strong antifungal activity. <i>Nature Communications</i> , 2013, 4, 2861.	5.8	79
205	Comparative Antibacterial Activity of Tryptic-Hydrolyzed Palm Kernel Cake Proteins of Different Degrees of Hydrolysis. <i>Journal of Food Quality</i> , 2013, 36, 447-456.	1.4	1
206	Synthesis and characterization of bovine serum albumin-copper nanocomposites for antibacterial applications. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 108, 134-141.	2.5	40
207	Physico-chemical factors affect chloramphenicol efflux and EmhABC efflux pump expression in <i>Pseudomonas fluorescens</i> cLP6a. <i>Research in Microbiology</i> , 2013, 164, 172-180.	1.0	2
208	Feasibility study demonstrating that enzymatic template generation and amplification can be employed as a novel method for molecular antimicrobial susceptibility testing. <i>BMC Microbiology</i> , 2013, 13, 191.	1.3	3
209	Optical control of antibacterial activity. <i>Nature Chemistry</i> , 2013, 5, 924-928.	6.6	298
210	Role of a Conserved Residue R780 in <i>Escherichia coli</i> Multidrug Transporter AcrB. <i>Biochemistry</i> , 2013, 52, 6790-6796.	1.2	9
211	The Antimicrobial Activity of Sub3 is Dependent on Membrane Binding and Cell-Penetrating Ability. <i>ChemBioChem</i> , 2013, 14, 2013-2022.	1.3	55
212	Antimicrobial activity of essential oils and five terpenoid compounds against <i>Campylobacter jejuni</i> in pure and mixed culture experiments. <i>International Journal of Food Microbiology</i> , 2013, 166, 450-457.	2.1	70
213	A de novo designed antimicrobial peptide with activity against multiresistant <i>Staphylococcus aureus</i> acting on RsbW kinase. <i>FASEB Journal</i> , 2013, 27, 4476-4488.	0.2	21
214	Chemical Constituents and Antimicrobial Activity of <i>Crucianella sintenisii</i> Growing Wild in Iran. <i>Chemistry of Natural Compounds</i> , 2013, 49, 955-957.	0.2	0
215	Effects of Therapeutical and Reduced Levels of Antibiotics on the Fraction of Antibiotic-Resistant Strains of <i>Escherichia coli</i> in the Chicken Gut. <i>Foodborne Pathogens and Disease</i> , 2013, 10, 55-61.	0.8	15
216	Lasioglossin-III: antimicrobial characterization and feasibility study for immobilization applications. <i>RSC Advances</i> , 2013, 3, 9534.	1.7	34

#	ARTICLE	IF	CITATIONS
217	The Cyclic Cystine Ladder in Î-Defensins Is Important for Structure and Stability, but Not Antibacterial Activity. <i>Journal of Biological Chemistry</i> , 2013, 288, 10830-10840.	1.6	67
218	Characterization of the Polymyxin B Resistome of <i>Pseudomonas aeruginosa</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2013, 57, 110-119.	1.4	136
219	Design and characterization of novel antimicrobial peptides, R-BP100 and RW-BP100, with activity against Gram-negative and Gram-positive bacteria. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2013, 1828, 944-955.	1.4	144
220	Mechanism of tetracycline resistance by ribosomal protection protein Tet(O). <i>Nature Communications</i> , 2013, 4, 1477.	5.8	87
221	Urban wastewater treatment plants as hotspots for antibiotic resistant bacteria and genes spread into the environment: A review. <i>Science of the Total Environment</i> , 2013, 447, 345-360.	3.9	1,784
222	Antimicrobial polymers as synthetic mimics of hostâ€defense peptides. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2013, 5, 49-66.	3.3	143
223	In vivo antimicrobial evaluation of an alanine-rich peptide derived from <i>Pleuronectes americanus</i> . <i>Peptides</i> , 2013, 42, 144-148.	1.2	20
224	Targeting <i>Mycobacterium tuberculosis</i> and Other Microbial Pathogens Using Improved Synthetic Antibacterial Peptides. <i>Antimicrobial Agents and Chemotherapy</i> , 2013, 57, 2295-2303.	1.4	72
225	Role of uropathogenic <i>Escherichia coli</i> OmpT in the resistance against human cathelicidin LL-37. <i>FEMS Microbiology Letters</i> , 2013, 345, 64-71.	0.7	27
226	Effect of Guanidinylation on the Properties of Poly(2â€aminoethylmethacrylate)â€Based Antibacterial Materials. <i>Macromolecular Bioscience</i> , 2013, 13, 242-255.	2.1	43
227	Facile expression and purification of the antimicrobial peptide histatin 1 with a cleavable self-aggregating tag (cSAT) in <i>Escherichia coli</i> . <i>Protein Expression and Purification</i> , 2013, 88, 248-253.	0.6	18
228	Predation in Homogeneous and Heterogeneous Phage Environments Affects Virulence Determinants of <i>Pseudomonas aeruginosa</i> . <i>Applied and Environmental Microbiology</i> , 2013, 79, 2862-2871.	1.4	51
229	Use of a Bacteriophage Lysin to Identify a Novel Target for Antimicrobial Development. <i>PLoS ONE</i> , 2013, 8, e60754.	1.1	41
230	Combined effects of plant extracts in inhibiting the growth of <i>Bacillus cereus</i> in reconstituted infant rice cereal. <i>International Journal of Food Microbiology</i> , 2013, 160, 260-266.	2.1	17
231	Green synthesis of copper oxide nanoparticles using gum karaya as a biotemplate and their antibacterial application. <i>International Journal of Nanomedicine</i> , 2013, 8, 889.	3.3	374
232	Peptide design for antimicrobial and immunomodulatory applications. <i>Biopolymers</i> , 2013, 100, 572-583.	1.2	231
233	Î2-Galactosidase-Catalyzed Synthesis of Galactosyl Chlorphenesin and Its Characterization. <i>Applied Biochemistry and Biotechnology</i> , 2013, 171, 1299-1312.	1.4	7
234	Antifungal activities against <i>Sclerotinia sclerotiorum</i> by <i>Cinnamomum cassia</i> oil and its main components. <i>Journal of Essential Oil Research</i> , 2013, 25, 444-451.	1.3	13

#	ARTICLE	IF	CITATIONS
235	A new effective assay to detect antimicrobial activity of filamentous fungi. <i>Microbiological Research</i> , 2013, 168, 1-5.	2.5	26
236	Immobilization Studies of an Engineered Arginine-Tryptophan-Rich Peptide on a Silicone Surface with Antimicrobial and Antibiofilm Activity. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 6412-6422.	4.0	93
237	Antimicrobial peptides in oyster hemolymph: The bacterial connection. <i>Fish and Shellfish Immunology</i> , 2013, 34, 1439-1447.	1.6	55
238	Comparing bacterial membrane interactions and antimicrobial activity of porcine lactoferricin-derived peptides. <i>Journal of Dairy Science</i> , 2013, 96, 3471-3487.	1.4	38
239	Silver complexes as precursors to produce silver nanowires: structure characterization, antimicrobial activity and cell viability. <i>Dalton Transactions</i> , 2013, 42, 9884-9892.	1.6	16
240	Graphene Oxide-Silver Nanocomposite As a Highly Effective Antibacterial Agent with Species-Specific Mechanisms. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 3867-3874.	4.0	424
241	An improved susceptibility test based on Amberlite reveals the potential antilisterial activity of fosfomycin in vitro. <i>Canadian Journal of Microbiology</i> , 2013, 59, 252-259.	0.8	1
242	High in vitro antimicrobial activity of β^2 -peptoid-peptide hybrid oligomers against planktonic and biofilm cultures of <i>Staphylococcus epidermidis</i> . <i>International Journal of Antimicrobial Agents</i> , 2013, 41, 20-27.	1.1	38
243	Design of hybrid β^2 -hairpin peptides with enhanced cell specificity and potent anti-inflammatory activity. <i>Biomaterials</i> , 2013, 34, 237-250.	5.7	128
244	Antibacterial, anti-glucosidase, and antioxidant activities of selected highland ferns of Malaysia. , 2013, 54, 55.		30
245	Immobilization of poly(bia-MPI) by allyl glycidyl ether based brush chemistry to generate a novel antimicrobial surface. <i>Journal of Materials Chemistry B</i> , 2013, 1, 4746.	2.9	21
246	Phosphonate Analogues of Arabinose 5-Phosphate: Putative Ligands for Arabinose 5-Phosphate Isomerases. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 7776-7784.	1.2	4
247	Effect of thiol-functionalisation on chitosan antibacterial activity: Interaction with a bacterial membrane model. <i>Reactive and Functional Polymers</i> , 2013, 73, 1384-1390.	2.0	41
248	Dissecting the function of a protruding loop in AcrB trimerization. <i>Journal of Biomolecular Structure and Dynamics</i> , 2013, 31, 385-392.	2.0	7
249	Alanine Scan of the Peptide Antibiotic Feglymycin: Assessment of Amino Acid Side Chains Contributing to Antimicrobial Activity. <i>ChemBioChem</i> , 2013, 14, 625-632.	1.3	18
250	Curative effect of <i>Terminalia chebula</i> extract on acetic acid-induced experimental colitis: role of antioxidants, free radicals and acute inflammatory marker. <i>Inflammopharmacology</i> , 2013, 21, 377-383.	1.9	46
251	Real-Time Optical Antimicrobial Susceptibility Testing. <i>Journal of Clinical Microbiology</i> , 2013, 51, 2047-2053.	1.8	109
252	The Serum Resistome of a Globally Disseminated Multidrug Resistant Uropathogenic <i>Escherichia coli</i> Clone. <i>PLoS Genetics</i> , 2013, 9, e1003834.	1.5	146

#	ARTICLE	IF	CITATIONS
253	Cathelicidin-like Helminth Defence Molecules (HDMs): Absence of Cytotoxic, Anti-microbial and Anti-protozoan Activities Imply a Specific Adaptation to Immune Modulation. PLoS Neglected Tropical Diseases, 2013, 7, e2307.	1.3	34
254	Effect of Nitroxides on Swarming Motility and Biofilm Formation, Multicellular Behaviors in <i>Pseudomonas aeruginosa</i> . Antimicrobial Agents and Chemotherapy, 2013, 57, 4877-4881.	1.4	85
255	Genome-Wide Identification of Genes Conferring Energy Related Resistance to a Synthetic Antimicrobial Peptide (Bac8c). PLoS ONE, 2013, 8, e55052.	1.1	15
256	Antimicrobial Activity of High-Mobility-Group Box 2: a New Function to a Well-Known Protein. Antimicrobial Agents and Chemotherapy, 2013, 57, 4782-4793.	1.4	19
257	Evaluation of <i>In Vivo</i> Wound Healing Activity of <i>Bacopa monniera</i> on Different Wound Model in Rats. BioMed Research International, 2013, 2013, 1-9.	0.9	120
259	Structural insights into H ⁺ -coupled multidrug extrusion by a MATE transporter. Nature Structural and Molecular Biology, 2013, 20, 1310-1317.	3.6	92
260	Novel Bacteriophage Lysin with Broad Lytic Activity Protects against Mixed Infection by <i>Streptococcus pyogenes</i> and Methicillin-Resistant <i>Staphylococcus aureus</i> . Antimicrobial Agents and Chemotherapy, 2013, 57, 2743-2750.	1.4	176
261	An <i>in vitro</i> study to determine the minimal bactericidal concentration of sodium hypochlorite (bleach) required to inhibit methicillin-resistant <i>Staphylococcus pseudintermedius</i> strains isolated from canine skin. Veterinary Dermatology, 2013, 24, 632.	0.4	10
262	Genomewide Screen for Modulators of Evolvability under Toxic Antibiotic Exposure. Antimicrobial Agents and Chemotherapy, 2013, 57, 3453-3456.	1.4	9
263	Structures of a Na ⁺ -coupled, substrate-bound MATE multidrug transporter. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 2099-2104.	3.3	127
264	Applications of pharmacometrics in the clinical development and pharmacotherapy of anti-infectives. Expert Review of Clinical Pharmacology, 2013, 6, 159-170.	1.3	19
265	Quantitative Contributions of Target Alteration and Decreased Drug Accumulation to <i>Pseudomonas aeruginosa</i> Fluoroquinolone Resistance. Antimicrobial Agents and Chemotherapy, 2013, 57, 1361-1368.	1.4	130
266	Transcriptomic and biochemical analyses identify a family of chlorhexidine efflux proteins. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 20254-20259.	3.3	138
267	Single-Step Selection of Drug Resistant <i>Acinetobacter baylyi</i> ADP1 Mutants Reveals a Functional Redundancy in the Recruitment of Multidrug Efflux Systems. PLoS ONE, 2013, 8, e56090.	1.1	20
268	Human Host Defense Peptide LL-37 Stimulates Virulence Factor Production and Adaptive Resistance in <i>Pseudomonas aeruginosa</i> . PLoS ONE, 2013, 8, e82240.	1.1	60
269	Impact of DNA damaging agents on genome-wide transcriptional profiles in two marine <i>Synechococcus</i> species. Frontiers in Microbiology, 2013, 4, 232.	1.5	25
270	Presence and biological activity of antibiotics used in fuel ethanol and corn co-product production1. Journal of Animal Science, 2013, 91, 2395-2404.	0.2	24
271	EVALUATING THE SENSITIVITY OF <i>PSEUDOMONAS AERUGINOSA</i> , <i>ESCHERICHIA COLI</i> AND <i>SALMONELLA TYPHI</i> TO VARIOUS BRANDS OF AMPICILLIN AND AMOXICILLIN AVAILABLE IN NIGERIA. American Journal of Agricultural and Biological Science, 2014, 9, 503-509.	0.9	2

#	ARTICLE	IF	CITATIONS
272	Low Structural Variation in the Host-Defense Peptide Repertoire of the Dwarf Clawed Frog <i>Hymenochirus boettgeri</i> (Pipidae). <i>PLoS ONE</i> , 2014, 9, e86339.	1.1	11
273	A Novel Formulation of Tigecycline Has Enhanced Stability and Sustained Antibacterial and Antileukemic Activity. <i>PLoS ONE</i> , 2014, 9, e95281.	1.1	33
274	The Bactericidal Effect of Dendritic Copper Microparticles, Contained in an Alginate Matrix, on <i>Escherichia coli</i> . <i>PLoS ONE</i> , 2014, 9, e96225.	1.1	13
275	A Peptide of Heparin Cofactor II Inhibits Endotoxin-Mediated Shock and Invasive <i>Pseudomonas aeruginosa</i> Infection. <i>PLoS ONE</i> , 2014, 9, e102577.	1.1	28
276	Overexpression of the Novel MATE Fluoroquinolone Efflux Pump FepA in <i>Listeria monocytogenes</i> Is Driven by Inactivation of Its Local Repressor FepR. <i>PLoS ONE</i> , 2014, 9, e106340.	1.1	61
277	Development and Validation of a UPLC-MS/MS Method to Monitor Cephapirin Excretion in Dairy Cows following Intramammary Infusion. <i>PLoS ONE</i> , 2014, 9, e112343.	1.1	28
278	Industrial Waste-Derived Nanoparticles and Microspheres Can Be Potent Antimicrobial and Functional Ingredients. <i>Hindawi Journal of Chemistry</i> , 2014, 2014, 1-12.	1.6	12
279	The crimson conundrum: heme toxicity and tolerance in <i>GAS</i> . <i>Frontiers in Cellular and Infection Microbiology</i> , 2014, 4, 159.	1.8	16
280	Volatiles from the Rare Australian Desert Plant <i>Prostanthera centralis</i> B.J.Conn (Lamiaceae): Chemical Composition and Antimicrobial Activity. <i>Agriculture (Switzerland)</i> , 2014, 4, 308-316.	1.4	10
281	Position-Dependent Influence of the Three Trp Residues on the Membrane Activity of the Antimicrobial Peptide, Tritrpticin. <i>Antibiotics</i> , 2014, 3, 595-616.	1.5	23
282	COMPARATIVE STUDY OF ANTIBACTERIAL ACTIVITY OF PLANT EXTRACTS FROM SEVERAL REGIONS OF ASIA. <i>American Journal of Pharmacology and Toxicology</i> , 2014, 9, 139-147.	0.7	5
283	Comparative evaluation of antimicrobial properties and phytochemical composition of <i>Artocarpus altilis</i> leaves using ethanol, n-hexane and water. <i>African Journal of Microbiology Research</i> , 2014, 8, 3409-3421.	0.4	3
284	Effects of Heating and Storage on the Antifungal Activity of Camel Urine. <i>Clinical Microbiology (Los Angeles)</i> , 2014, 10, 6.	0.2	6
285	ANTIFUNGAL EFFECT OF ETHANOL PLANT EXTRACT ON <i>CANDIDA</i> SP. <i>American Journal of Agricultural and Biological Science</i> , 2014, 9, 277-283.	0.9	8
286	Antimicrobial, Antiviral Activity and GC-MS Analysis of Essential Oil Extracted from <i>Achillea fragrantissima</i> Plant Growing In Sinai Peninsula, Egypt. <i>Journal of Microbial & Biochemical Technology</i> , 2014, 8, .	0.2	7
287	Design and Antimicrobial Evaluation of 1-Methylimidazole Derivatives as New Antifungal and Antibacterial Agents. <i>Pharmaceutical Chemistry Journal</i> , 2014, 48, 513-519.	0.3	9
288	<i>Cis</i> -Glycofused Benzopyran Derivatives as Hit Compounds for the Development of Therapeutic and Diagnostic Tools against Neurodegenerative Diseases. <i>ChemPlusChem</i> , 2014, 79, 835-843.	1.3	15
289	Modified Cysteine-Deleted Tachyplesin (CDT) Analogs as Linear Antimicrobial Peptides: Influence of Chain Length, Positive Charge, and Hydrophobicity on Antimicrobial and Hemolytic Activity. <i>International Journal of Peptide Research and Therapeutics</i> , 2014, 20, 519-530.	0.9	18

#	ARTICLE	IF	CITATIONS
290	Defining Gene-Phenotype Relationships in <i>Acinetobacter baumannii</i> through One-Step Chromosomal Gene Inactivation. <i>MBio</i> , 2014, 5, e01313-14.	1.8	147
291	Broad-Spectrum Anti-biofilm Peptide That Targets a Cellular Stress Response. <i>PLoS Pathogens</i> , 2014, 10, e1004152.	2.1	433
292	Proteomic Analysis of Bacterial Expression Profiles Following Exposure to Organic Solvent Flower Extract of <i>Melastoma candidum</i> D Don (Melastomataceae). <i>Tropical Journal of Pharmaceutical Research</i> , 2014, 13, 1085.	0.2	6
293	Sodium houttuynonate affects production of N-acyl homoserine lactone and quorum sensing-regulated genes expression in <i>Pseudomonas aeruginosa</i> . <i>Frontiers in Microbiology</i> , 2014, 5, 635.	1.5	36
294	Bistable Expression of Virulence Genes in <i>Salmonella</i> Leads to the Formation of an Antibiotic-Tolerant Subpopulation. <i>PLoS Biology</i> , 2014, 12, e1001928.	2.6	172
295	The Tandem Repeats Enabling Reversible Switching between the Two Phases of β -Lactamase Substrate Spectrum. <i>PLoS Genetics</i> , 2014, 10, e1004640.	1.5	11
296	Combined Systems Approaches Reveal Highly Plastic Responses to Antimicrobial Peptide Challenge in <i>Escherichia coli</i> . <i>PLoS Pathogens</i> , 2014, 10, e1004104.	2.1	37
297	Influence of First-Line Antibiotics on the Antibacterial Activities of Acetone Stem Bark Extract of <i>Acacia mearnsii</i> De Wild. against Drug-Resistant Bacterial Isolates. <i>Evidence-based Complementary and Alternative Medicine</i> , 2014, 2014, 1-11.	0.5	5
298	Development and Characterization of Polyphenon 60 and Caffeine Microemulsion for Enhanced Antibacterial Activity. <i>BioMed Research International</i> , 2014, 2014, 1-7.	0.9	12
299	Antibacterial Potential of Northeastern Portugal Wild Plant Extracts and Respective Phenolic Compounds. <i>BioMed Research International</i> , 2014, 2014, 1-8.	0.9	45
300	Members of the Conserved DedA Family Are Likely Membrane Transporters and Are Required for Drug Resistance in <i>Escherichia coli</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2014, 58, 923-930.	1.4	51
301	A Bacterial Mutant Library as a Tool to Study the Attack of a Defensin Peptide. <i>ChemBioChem</i> , 2014, 15, 2684-2688.	1.3	11
302	Evaluation of Antioxidant, Radical-Scavenging and Acetylcholinesterase Inhibitory Activities of Various Culinary Herbs Cultivated in Southern Turkey. <i>Journal of Food Biochemistry</i> , 2014, 38, 602-611.	1.2	4
303	Molybdenum doped titanium dioxide photocatalytic coatings for use as hygienic surfaces: the effect of soiling on antimicrobial activity. <i>Biofouling</i> , 2014, 30, 911-919.	0.8	30
304	Exploring the hologenome concept in marine bivalvia: haemolymph microbiota as a pertinent source of probiotics for aquaculture. <i>FEMS Microbiology Letters</i> , 2014, 350, 107-116.	0.7	88
306	<i>Enterobacter gergoviae</i> adaptation to preservatives commonly used in cosmetic industry. <i>International Journal of Cosmetic Science</i> , 2014, 36, 386-395.	1.2	18
307	Unacylated tridecaptin A1 acts as an effective sensitizer of Gram-negative bacteria to other antibiotics. <i>International Journal of Antimicrobial Agents</i> , 2014, 44, 493-499.	1.1	30
308	Size controllable synthesis and antimicrobial activity of poly-N,N'-[(4,5-dihydroxy-1,2-phenylene)bis(methylene)]bisacrylamide microspheres. <i>RSC Advances</i> , 2014, 4, 57891-57898.	1.7	15

#	ARTICLE	IF	CITATIONS
309	Voltage-Driven Reversible Insertion into and Leaving from a Lipid Bilayer: Tuning Transmembrane Transport of Artificial Channels. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 4578-4581.	7.2	154
310	Antimicrobial and immunomodulatory properties of PGLa-AM1, CPF-AM1, and magainin-AM1: Potent activity against oral pathogens. <i>Regulatory Peptides</i> , 2014, 194-195, 63-68.	1.9	21
311	Functional Characterization of <i>E. coli</i> LptC: Interaction with LPS and a Synthetic Ligand. <i>ChemBioChem</i> , 2014, 15, 734-742.	1.3	16
312	Increased Neutrophil Extracellular Trap-Mediated <i>Staphylococcus aureus</i> Clearance Through Inhibition of Nuclease Activity by Clindamycin and Immunoglobulin. <i>Journal of Infectious Diseases</i> , 2014, 210, 473-482.	1.9	48
313	Waste water effluent contributes to the dissemination of CTX-M-15 in the natural environment. <i>Journal of Antimicrobial Chemotherapy</i> , 2014, 69, 1785-1791.	1.3	184
314	From microbial gene essentiality to novel antimicrobial drug targets. <i>BMC Genomics</i> , 2014, 15, 958.	1.2	50
315	Virstatin inhibits biofilm formation and motility of <i>Acinetobacter baumannii</i> . <i>BMC Microbiology</i> , 2014, 14, 62.	1.3	66
316	Counterion-induced modulation in biochemical properties of nitrile functionalized silver(I)-N-heterocyclic carbene complexes. <i>Journal of Coordination Chemistry</i> , 2014, 67, 3649-3663.	0.8	27
317	A Highly Active and Negatively Charged <i>Streptococcus pyogenes</i> Lysin with a Rare -Alanyl- <i>-Alanine</i> Endopeptidase Activity Protects Mice against Streptococcal Bacteremia. <i>Antimicrobial Agents and Chemotherapy</i> , 2014, 58, 3073-3084.	1.4	63
318	Evaluation of antibacterial effect of some Sinai medicinal plant extracts on bacteria isolated from bovine mastitis. <i>Veterinary World</i> , 2014, 7, 991-998.	0.7	13
319	In vitro antibacterial activity of leaf extracts of <i>Zehneria scabra</i> and <i>Ricinus communis</i> against <i>Escherichia coli</i> and methicillin resistance <i>Staphylococcus aureus</i> . <i>Asian Pacific Journal of Tropical Biomedicine</i> , 2014, 4, 816-820.	0.5	22
320	Protective effects of <i>Aegle marmelos</i> fruit pulp on 2,4,6-trinitrobenzene sulfonic acid-induced experimental colitis. <i>Pharmacognosy Magazine</i> , 2014, 10, 147.	0.3	16
321	Antimicrobial activity of some essential oils against oral multidrug-resistant <i>Enterococcus faecalis</i> in both planktonic and biofilm state. <i>Asian Pacific Journal of Tropical Biomedicine</i> , 2014, 4, 463-472.	0.5	53
322	Maghemite, silver, ceragenin conjugate particles for selective binding and contrast of bacteria. <i>Journal of Colloid and Interface Science</i> , 2014, 413, 167-174.	5.0	11
323	Arabinose 5-phosphate isomerase as a target for antibacterial design: Studies with substrate analogues and inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , 2014, 22, 2576-2583.	1.4	10
324	Investigating the Link Between Imipenem Resistance and Biofilm Formation by <i>Pseudomonas aeruginosa</i> . <i>Microbial Ecology</i> , 2014, 68, 111-120.	1.4	25
325	Discovery of potential anti-infectives against <i>Staphylococcus aureus</i> using a <i>Caenorhabditis elegans</i> infection model. <i>BMC Complementary and Alternative Medicine</i> , 2014, 14, 4.	3.7	55
326	Modification of a synthetic LPS-binding domain of anti-lipopolysaccharide factor from shrimp reveals strong structure-activity relationship in their antimicrobial characteristics. <i>Developmental and Comparative Immunology</i> , 2014, 45, 227-232.	1.0	33

#	ARTICLE	IF	CITATIONS
327	Promising antimicrobial and antioxidant extracts of Murta leaves (<i>Ugni molinae</i> Turcz): Shelf-life extension and food safety. <i>Food Packaging and Shelf Life</i> , 2014, 1, 77-85.	3.3	15
328	Dinuclear silver(I)-N-heterocyclic carbene complexes of N-allyl substituted (benz)imidazol-2-ylidenes with pyridine spacers: synthesis, crystal structures, nuclease and antibacterial studies. <i>Transition Metal Chemistry</i> , 2014, 39, 281-290.	0.7	32
329	24-Branched Δ^5 sterols from <i>Laurencia papillosa</i> red seaweed with antibacterial activity against human pathogenic bacteria. <i>Microbiological Research</i> , 2014, 169, 301-306.	2.5	50
330	Synthesis, characterization and biological studies of substituted quinoxaline-4-(3H)-ones containing diazepine moiety. <i>Annales Pharmaceutiques Francaises</i> , 2014, 72, 51-58.	0.4	5
331	Novel isolates of lactobacilli from fermented Portuguese olive as potential probiotics. <i>LWT - Food Science and Technology</i> , 2014, 59, 234-246.	2.5	94
332	Tn6168, a transposon carrying an ISAbal-activated ampC gene and conferring cephalosporin resistance in <i>Acinetobacter baumannii</i> . <i>Journal of Antimicrobial Chemotherapy</i> , 2014, 69, 77-80.	1.3	61
333	C_{ydc} levels affect P of <i>seudomonas aeruginosa</i> fitness in the presence of imipenem. <i>Environmental Microbiology</i> , 2014, 16, 1321-1333.	1.8	21
334	Exploring 5-nitrofurans against nosocomial pathogens: Synthesis, antimicrobial activity and chemometric analysis. <i>Bioorganic and Medicinal Chemistry</i> , 2014, 22, 2844-2854.	1.4	29
335	In vitro microbiological evaluation of novel bis pyrazolones. <i>Annales Pharmaceutiques Francaises</i> , 2014, 72, 101-106.	0.4	4
336	Curcumin as a potential non-steroidal contraceptive with spermicidal and microbicidal properties. <i>European Journal of Obstetrics, Gynecology and Reproductive Biology</i> , 2014, 176, 142-148.	0.5	22
337	Synthesis of Silver and Gold Nanoparticles Using Cashew Nut Shell Liquid and Its Antibacterial Activity Against Fish Pathogens. <i>Indian Journal of Microbiology</i> , 2014, 54, 196-202.	1.5	45
338	Discovery of Clostrubin, an Exceptional Polyphenolic Polyketide Antibiotic from a Strictly Anaerobic Bacterium. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 7856-7859.	7.2	56
339	Characterization of hLF11 immobilization onto chitosan ultrathin films, and its effects on antimicrobial activity. <i>Acta Biomaterialia</i> , 2014, 10, 3513-3521.	4.1	75
340	NHC-Silver(I) Complexes as Chemical Nucleases; Synthesis, Crystal Structures, and Antibacterial Studies. <i>Heteroatom Chemistry</i> , 2014, 25, 194-204.	0.4	22
341	Improved Bioactivity of Antimicrobial Peptides by Addition of Amino-Terminal Copper and Nickel (ATCUN) Binding Motifs. <i>ChemMedChem</i> , 2014, 9, 1892-1901.	1.6	53
342	Expressing antimicrobial peptide cathelicidin-BF in <i>Bacillus subtilis</i> using SUMO technology. <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 3651-3658.	1.7	42
343	Membrane Active Vancomycin Analogues: A Strategy to Combat Bacterial Resistance. <i>Journal of Medicinal Chemistry</i> , 2014, 57, 4558-4568.	2.9	141
344	Identification of Antimicrobial Peptides and Immobilization Strategy Suitable for a Covalent Surface Coating with Biocompatible Properties. <i>Bioconjugate Chemistry</i> , 2014, 25, 308-319.	1.8	42

#	ARTICLE	IF	CITATIONS
345	Mullinamides A and B, new cyclopeptides produced by the Ruth Mullins coal mine fire isolate <i>Streptomyces</i> sp. RM-27-46. <i>Journal of Antibiotics</i> , 2014, 67, 571-575.	1.0	31
346	Membrane Active Phenylalanine Conjugated Lipophilic Norspermidine Derivatives with Selective Antibacterial Activity. <i>Journal of Medicinal Chemistry</i> , 2014, 57, 9409-9423.	2.9	109
347	Combining Topology and Sequence Design for the Discovery of Potent Antimicrobial Peptide Dendrimers against Multidrug-Resistant <i>Pseudomonas aeruginosa</i> . <i>Angewandte Chemie</i> , 2014, 126, 13041-13045.	1.6	14
348	Trichokonins from <i>Trichoderma pseudokoningii</i> SMF2 induce resistance against Gram-negative <i>Pectobacterium carotovorum</i> subsp. <i>carotovorum</i> in Chinese cabbage. <i>FEMS Microbiology Letters</i> , 2014, 354, 75-82.	0.7	38
349	An innovative biologic recycling process of leukoreduction filters to produce active human antimicrobial peptides. <i>Transfusion</i> , 2014, 54, 1332-1339.	0.8	6
350	Cytosine DNA methylation influences drug resistance in <i>Escherichia coli</i> through increased <i>sugE</i> expression. <i>FEMS Microbiology Letters</i> , 2014, 350, 100-106.	0.7	54
351	Combining Topology and Sequence Design for the Discovery of Potent Antimicrobial Peptide Dendrimers against Multidrug-Resistant <i>Pseudomonas aeruginosa</i> . <i>Angewandte Chemie - International Edition</i> , 2014, 53, 12827-12831.	7.2	94
352	Nitrite modulates bacterial antibiotic susceptibility and biofilm formation in association with airway epithelial cells. <i>Free Radical Biology and Medicine</i> , 2014, 77, 307-316.	1.3	50
353	Sputum containing zinc enhances carbapenem resistance, biofilm formation and virulence of <i>Pseudomonas aeruginosa</i> . <i>Microbial Pathogenesis</i> , 2014, 77, 36-41.	1.3	30
354	Bile acid amphiphiles with tunable head groups as highly selective antitubercular agents. <i>MedChemComm</i> , 2014, 5, 1761-1768.	3.5	26
355	Exploring the potential of magnetic antimicrobial agents for water disinfection. <i>Water Research</i> , 2014, 66, 160-168.	5.3	22
356	Ceragenin Mediated Selectivity of Antimicrobial Silver Nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 13900-13908.	4.0	20
357	High Cell Selectivity and Low-Level Antibacterial Resistance of Designed Amphiphilic Peptide G(IKKK) ₃ -I-NH ₂ . <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 16529-16536.	4.0	57
358	Galloylated flavonol rhamnosides from the leaves of <i>Calliandra tergemina</i> with antibacterial activity against methicillin-resistant <i>Staphylococcus aureus</i> (MRSA). <i>Phytochemistry</i> , 2014, 107, 148-154.	1.4	17
359	Synthesis, characterization and pharmacological evaluation of certain sulfonamide containing heterocyclic motifs. <i>Polish Annals of Medicine</i> , 2014, 21, 75-81.	0.3	4
360	Semi-synthesis of biologically active nisin hybrids composed of the native lanthionine ABC-fragment and a cross-stapled synthetic DE-fragment. <i>Bioorganic and Medicinal Chemistry</i> , 2014, 22, 5345-5353.	1.4	17
361	Antibacterials loaded electrospun composite nanofibers: release profile and sustained antibacterial efficacy. <i>Polymer Chemistry</i> , 2014, 5, 1965-1975.	1.9	62
362	Functional Gold Nanoparticles as Potent Antimicrobial Agents against Multi-Drug-Resistant Bacteria. <i>ACS Nano</i> , 2014, 8, 10682-10686.	7.3	615

#	ARTICLE	IF	CITATIONS
363	1-Acetylpyreneâ€“Salicylic Acid: Photoresponsive Fluorescent Organic Nanoparticles for the Regulated Release of a Natural Antimicrobial Compound, Salicylic Acid. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 7045-7054.	4.0	34
364	Synthesis, characterization and pharmacological studies of sulphur containing 1,2,4-triazole derivatives. <i>Journal of Taibah University Medical Sciences</i> , 2014, 9, 293-300.	0.5	12
365	Molecular mechanisms of Î²-lactam resistance in carbapenemase-producing <i>Klebsiella pneumoniae</i> from Sri Lanka. <i>Journal of Medical Microbiology</i> , 2014, 63, 1087-1092.	0.7	34
366	Cecropin Aâ€“melittin mutant with improved proteolytic stability and enhanced antimicrobial activity against bacteria and fungi associated with gastroenteritis in vitro. <i>Biochemical and Biophysical Research Communications</i> , 2014, 451, 650-655.	1.0	40
367	Sonochemically Processed Cationic Nanocapsules: Efficient Antimicrobials with Membrane Disturbing Capacity. <i>Biomacromolecules</i> , 2014, 15, 1365-1374.	2.6	46
368	Total Synthesis and Antibacterial Testing of the A54556 Cyclic Acyldepsipeptides Isolated from <i>Streptomyces hawaiiensis</i> . <i>Journal of Natural Products</i> , 2014, 77, 2170-2181.	1.5	26
369	In vitro antimicrobial activity of o-phenylenediamine-tert-butyl-N-1,2,3-triazole carbamate analogs. <i>Medicinal Chemistry Research</i> , 2014, 23, 4962-4976.	1.1	13
370	Bovine and human lactoferricin peptides: chimeras and new cyclic analogs. <i>BioMetals</i> , 2014, 27, 935-948.	1.8	25
371	MazF-induced Growth Inhibition and Persister Generation in <i>Escherichia coli</i> . <i>Journal of Biological Chemistry</i> , 2014, 289, 4191-4205.	1.6	90
372	Modeling Cell Membrane Perturbation by Molecules Designed for Transmembrane Electron Transfer. <i>Langmuir</i> , 2014, 30, 2429-2440.	1.6	55
373	PHB-PEO electrospun fiber membranes containing chlorhexidine for drug delivery applications. <i>Polymer Testing</i> , 2014, 34, 64-71.	2.3	87
374	Synthesis and Antimicrobial Activity of Gold/Silverâ€“Tellurium Nanostructures. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 8305-8312.	4.0	32
375	A Broad-Spectrum Antibiofilm Peptide Enhances Antibiotic Action against Bacterial Biofilms. <i>Antimicrobial Agents and Chemotherapy</i> , 2014, 58, 5363-5371.	1.4	262
376	Silver Nanoparticles Synthesized by Pulsed Laser Ablation: as a Potent Antibacterial Agent for Human Enteropathogenic Gram-Positive and Gram-Negative Bacterial Strains. <i>Applied Biochemistry and Biotechnology</i> , 2014, 174, 1021-1031.	1.4	61
377	Fully biodegradable antibacterial hydrogels via thiolâ€“ene â€“clickâ€“chemistry. <i>Polymer Chemistry</i> , 2014, 5, 4002-4008.	1.9	53
378	Ferrocenyl methylene units and copper(II) phenanthroline complex units anchored on branched poly(ethyleneimine) â€“ DNA binding, antimicrobial and anticancer activity. <i>New Journal of Chemistry</i> , 2014, 38, 4204-4211.	1.4	13
379	Studying the activity of antituberculosis drugs inside electrospun polyvinyl alcohol, polyethylene oxide, and polycaprolacton nanofibers. <i>Journal of Biomedical Materials Research - Part A</i> , 2014, 102, 4009-4016.	2.1	6
380	Knockout of Extracytoplasmic Function Sigma Factor ECF-10 Affects Stress Resistance and Biofilm Formation in <i>Pseudomonas putida</i> KT2440. <i>Applied and Environmental Microbiology</i> , 2014, 80, 4911-4919.	1.4	27

#	ARTICLE	IF	CITATIONS
381	Surface changes and polymyxin interactions with a resistant strain of <i>Klebsiella pneumoniae</i> . <i>Innate Immunity</i> , 2014, 20, 350-363.	1.1	61
382	Rational Design of Artificial β -Strand-Forming Antimicrobial Peptides with Biocompatible Properties. <i>Molecular Pharmaceutics</i> , 2014, 11, 3492-3502.	2.3	5
383	<i>Bordetella pertussis</i> Lipid A Glucosamine Modification Confers Resistance to Cationic Antimicrobial Peptides and Increases Resistance to Outer Membrane Perturbation. <i>Antimicrobial Agents and Chemotherapy</i> , 2014, 58, 4931-4934.	1.4	39
384	Isolation and biological activity of compounds from <i>Garcinia preussii</i> . <i>Pharmaceutical Biology</i> , 2014, 52, 706-711.	1.3	19
385	Synthesis and crystal structures of sterically tuned ether functionalized NHC-silver(I) complexes: antibacterial and nucleic acid interaction studies. <i>Journal of Coordination Chemistry</i> , 2014, 67, 2131-2147.	0.8	20
386	Biochemical and morphological alteration of <i>Listeria monocytogenes</i> under environmental stress caused by chloramine-T and sodium hypochlorite. <i>Food Control</i> , 2014, 46, 455-461.	2.8	12
387	A controlled release of antibiotics from calcium phosphate-coated poly(lactic-co-glycolic acid) particles and their in vitro efficacy against <i>Staphylococcus aureus</i> biofilm. <i>Journal of Materials Science: Materials in Medicine</i> , 2014, 25, 747-757.	1.7	34
388	SB-RA-2001 Inhibits Bacterial Proliferation by Targeting FtsZ Assembly. <i>Biochemistry</i> , 2014, 53, 2979-2992.	1.2	35
389	One pot three components microwave assisted and conventional synthesis of new 3-(4-chloro-2-hydroxyphenyl)-2-(substituted) thiazolidin-4-one as antimicrobial agents. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014, 24, 3569-3573.	1.0	38
390	Synthesis and antibacterial activity of pyridylselenium compounds: Self-assembly of bis(3-bromo-2-pyridyl)diselenide via intermolecular secondary and π - π stacking interactions. <i>Journal of Organometallic Chemistry</i> , 2014, 766, 57-66.	0.8	26
391	Expression and purification of an active cecropin-like recombinant protein against multidrug resistance <i>Escherichia coli</i> . <i>Protein Expression and Purification</i> , 2014, 100, 48-53.	0.6	13
392	<i>Sarconesiopsis magellanica</i> (Diptera: Calliphoridae) excretions and secretions have potent antibacterial activity. <i>Acta Tropica</i> , 2014, 136, 37-43.	0.9	21
393	EFFECTS OF PSYCHOTROPIC DRUGS AS BACTERIAL EFFLUX PUMP INHIBITORS ON QUORUM SENSING REGULATED BEHAVIORS. <i>Journal of Microbiology, Biotechnology and Food Sciences</i> , 2014, 04, 128-131.	0.4	8
396	Isolated cell behavior drives the evolution of antibiotic resistance. <i>Molecular Systems Biology</i> , 2015, 11, 822.	3.2	65
397	Lactobacilli with probiotic potential in the prairie vole (<i>Microtus ochrogaster</i>). <i>Gut Pathogens</i> , 2015, 7, 35.	1.6	15
398	AFN-1252 is a potent inhibitor of enoyl-ACP reductase from <i>Burkholderia pseudomallei</i> -Crystal structure, mode of action, and biological activity. <i>Protein Science</i> , 2015, 24, 832-840.	3.1	11
399	BT-29 inhibits bacterial cell proliferation by perturbing FtsZ assembly. <i>FEBS Journal</i> , 2015, 282, 4015-4033.	2.2	21
400	A comparison of the enzymatic properties of three recombinant isoforms of thrombolytic and antibacterial protein-Destabilase-Lysozyme from medicinal leech. <i>BMC Biochemistry</i> , 2015, 16, 27.	4.4	12

#	ARTICLE	IF	CITATIONS
402	Increased Microbial Butanol Tolerance by Exogenous Membrane Insertion Molecules. <i>ChemSusChem</i> , 2015, 8, 3718-3726.	3.6	19
403	A novel application of radiomimetic compounds as antibiotic drugs. <i>Journal of Pharmacy and Pharmacology</i> , 2015, 67, 1371-1379.	1.2	5
404	Di-N-Methylation of Anti-Gram-Positive Aminoglycoside-Derived Membrane Disruptors Improves Antimicrobial Potency and Broadens Spectrum to Gram-Negative Bacteria. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 13617-13621.	7.2	37
405	Incorporation of azo group at axial position of silatranes: synthesis, characterization and antimicrobial activity. <i>Applied Organometallic Chemistry</i> , 2015, 29, 549-555.	1.7	16
406	New di- and triorganotin(IV) carboxylates derived from a Schiff base: synthesis, characterization and <i>in vitro</i> antimicrobial activities. <i>Applied Organometallic Chemistry</i> , 2015, 29, 305-313.	1.7	25
407	Silver-Coated Biologically Active Protein Hybrids: Antimicrobial Applications. <i>Applied Mechanics and Materials</i> , 0, 749, 453-456.	0.2	1
408	<i>Pterocarpus marsupium</i> Derived Phyto-Synthesis of Copper Oxide Nanoparticles and their Antimicrobial Activities. <i>Journal of Microbial & Biochemical Technology</i> , 2015, 07, .	0.2	11
409	An Assessment of the Efficacy of Ofloxacin Brands on Clinical Isolates of <i>Streptococcus Pneumoniae</i> and <i>Staphylococcus Aureus</i> . <i>Modern Applied Science</i> , 2015, 9, .	0.4	0
410	Preliminary probiotic and technological characterization of <i>Pediococcus pentosaceus</i> strain KID7 and <i>in vivo</i> assessment of its cholesterol-lowering activity. <i>Frontiers in Microbiology</i> , 2015, 6, 768.	1.5	69
411	Functional Diversity of Anti-Lipopolysaccharide Factor Isoforms in Shrimp and Their Characters Related to Antiviral Activity. <i>Marine Drugs</i> , 2015, 13, 2602-2616.	2.2	69
412	Alginate Hydrogels Coated with Chitosan for Wound Dressing. <i>Marine Drugs</i> , 2015, 13, 2890-2908.	2.2	127
413	<i>Escherichia coli</i> ASKA Clone Library Harboring tRNA-Specific Adenosine Deaminase (<i>tadA</i>) Reveals Resistance towards Xanthorhizol. <i>Molecules</i> , 2015, 20, 16290-16305.	1.7	6
414	Novel 2-Thioxanthine and Dipyrimidopyridine Derivatives: Synthesis and Antimicrobial Activity. <i>Molecules</i> , 2015, 20, 19263-19276.	1.7	11
415	Controlling Persister and Biofilm Cells of Gram-Negative Bacteria with a New 1,3,5-Triazine Derivative. <i>Pharmaceuticals</i> , 2015, 8, 696-710.	1.7	24
416	Antimicrobial nisin acts against saliva derived multi-species biofilms without cytotoxicity to human oral cells. <i>Frontiers in Microbiology</i> , 2015, 6, 617.	1.5	95
417	Potential impacts of aquatic pollutants: sub-clinical antibiotic concentrations induce genome changes and promote antibiotic resistance. <i>Frontiers in Microbiology</i> , 2015, 6, 803.	1.5	60
418	Inhibition of <i>Staphylococcus aureus</i> cocktail using the synergies of oregano and rosemary essential oils or carvacrol and 1,8-cineole. <i>Frontiers in Microbiology</i> , 2015, 6, 1223.	1.5	37
419	Functional Characterization of Bacteria Isolated from Ancient Arctic Soil Exposes Diverse Resistance Mechanisms to Modern Antibiotics. <i>PLoS ONE</i> , 2015, 10, e0069533.	1.1	202

#	ARTICLE	IF	CITATIONS
420	Structure Based In Silico Analysis of Quinolone Resistance in Clinical Isolates of Salmonella Typhi from India. PLoS ONE, 2015, 10, e0126560.	1.1	26
421	Acinetobacter baumannii Repeatedly Evolves a Hypermutator Phenotype in Response to Tigecycline That Effectively Surveys Evolutionary Trajectories to Resistance. PLoS ONE, 2015, 10, e0140489.	1.1	59
422	Diversity, Antimicrobial Action and Structure-Activity Relationship of Buffalo Cathelicidins. PLoS ONE, 2015, 10, e0144741.	1.1	26
423	Ultrastructural Study on the Antibacterial Activity of Artonin E versus Streptomycin against Staphylococcus aureus Strains. PLoS ONE, 2015, 10, e0128157.	1.1	27
424	Comparison of the Chemical Composition and Antimicrobial Activity of <i>Thymus serpyllum</i> Essential Oils. Notulae Botanicae Horti Agrobotanici Cluj-Napoca, 2015, 43, 432-438.	0.5	17
425	Magnetically stimulated ciprofloxacin release from polymeric microspheres entrapping iron oxide nanoparticles. International Journal of Nanomedicine, 2015, 10, 4447.	3.3	27
426	Anti-Helicobacter pylori activity in vitro of chamomile flowers, coneflower herbs, peppermint leaves and thyme herbs – a preliminary report. Current Issues in Pharmacy and Medical Sciences, 2015, 28, 30-32.	0.1	13
427	Antibacterial Activity of Synthetic Peptides Derived from Lactoferricin against <i>Escherichia coli</i> ATCC 25922 and <i>Enterococcus faecalis</i> ATCC 29212. BioMed Research International, 2015, 2015, 1-8.	0.9	39
428	Inspired by Nature: The use of Plant-derived Substrate/Enzyme Combinations to Generate Antimicrobial Activity <i>in situ</i> . Natural Product Communications, 2015, 10, 1934578X1501001.	0.2	18
429	Identification and methods for prevention of <i>Enterococcus mundtii</i> infection in silkworm larvae, <i>Bombyx mori</i> , reared on artificial diet. Drug Discoveries and Therapeutics, 2015, 9, 184-190.	0.6	6
431	Exploring the potential impact of an expanded genetic code on protein function. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 6961-6966.	3.3	69
432	Antibacterial and hemolysis activity of polypyrrole nanotubes decorated with silver nanoparticles by an in-situ reduction process. Materials Science and Engineering C, 2015, 54, 8-13.	3.8	72
433	Oligopolyphenylenevinylene-Conjugated Oligoelectrolyte Membrane Insertion Molecules Selectively Disrupt Cell Envelopes of Gram-Positive Bacteria. Applied and Environmental Microbiology, 2015, 81, 1949-1958.	1.4	29
434	Curcumin rescues <i>Caenorhabditis elegans</i> from a <i>Burkholderia pseudomallei</i> infection. Frontiers in Microbiology, 2015, 6, 290.	1.5	33
435	Immunomodulatory Peptide IDR-1018 Decreases Implant Infection and Preserves Osseointegration. Clinical Orthopaedics and Related Research, 2015, 473, 2898-2907.	0.7	43
436	Antimicrobial Models in Nanotechnology. , 2015, , 19-38.		5
437	C-di-GMP regulates <i>Pseudomonas aeruginosa</i> stress response to tellurite during both planktonic and biofilm modes of growth. Scientific Reports, 2015, 5, 10052.	1.6	72
438	Antibiofilm Peptides Increase the Susceptibility of Carbapenemase-Producing <i>Klebsiella pneumoniae</i> Clinical Isolates to β -Lactam Antibiotics. Antimicrobial Agents and Chemotherapy, 2015, 59, 3906-3912.	1.4	97

#	ARTICLE	IF	CITATIONS
439	Site-specific activity of the acyltransferases HtrB1 and HtrB2 in <i>Pseudomonas aeruginosa</i> lipid A biosynthesis. <i>Pathogens and Disease</i> , 2015, 73, ftv053.	0.8	27
440	Antioxidant, antibacterial activity, and phytochemical characterization of <i>Melaleuca cajuputi</i> extract. <i>BMC Complementary and Alternative Medicine</i> , 2015, 15, 385.	3.7	47
441	Quatsomes for the treatment of <i>Staphylococcus aureus</i> biofilm. <i>Journal of Materials Chemistry B</i> , 2015, 3, 2770-2777.	2.9	28
442	Conformational Fine-Tuning of Pore-Forming Peptide Potency and Selectivity. <i>Journal of the American Chemical Society</i> , 2015, 137, 16144-16152.	6.6	53
443	Bacteria May Cope Differently from Similar Membrane Damage Caused by the Australian Tree Frog Antimicrobial Peptide Maculatin 1.1. <i>Journal of Biological Chemistry</i> , 2015, 290, 19853-19862.	1.6	51
444	Rapid antimicrobial susceptibility testing of clinical isolates by digital time-lapse microscopy. <i>European Journal of Clinical Microbiology and Infectious Diseases</i> , 2015, 34, 2385-2394.	1.3	39
445	Inactivation of Multiple Bacterial Histidine Kinases by Targeting the ATP-Binding Domain. <i>ACS Chemical Biology</i> , 2015, 10, 328-335.	1.6	53
446	Antimicrobial peptide resistance mediates resilience of prominent gut commensals during inflammation. <i>Science</i> , 2015, 347, 170-175.	6.0	333
447	Molecular Analysis of Codon 548 in the <i>rpoB</i> Gene Involved in <i>Mycobacterium tuberculosis</i> Resistance to Rifampin. <i>Antimicrobial Agents and Chemotherapy</i> , 2015, 59, 1542-1548.	1.4	11
448	Construction of a genome-scale metabolic network of the plant pathogen <i>Pectobacterium carotovorum</i> provides new strategies for bactericide discovery. <i>FEBS Letters</i> , 2015, 589, 285-294.	1.3	18
449	Synthesis, characterization, electronic absorption and antimicrobial studies of N-(silatranylpropyl)phthalimide derived from phthalic anhydride. <i>Inorganica Chimica Acta</i> , 2015, 427, 232-239.	1.2	30
450	Food-grade antimicrobials potentiate the antibacterial activity of 1,2-hexanediol. <i>Letters in Applied Microbiology</i> , 2015, 60, 431-439.	1.0	16
451	Detection of vancomycin resistances in enterococci within 3 ½ hours. <i>Scientific Reports</i> , 2015, 5, 8217.	1.6	53
452	Green synthesis and characterization of silver nanoparticles using banana peel extract and their antimicrobial activity against representative microorganisms. <i>Journal of Radiation Research and Applied Sciences</i> , 2015, 8, 265-275.	0.7	609
453	Antimicrobial properties of membrane-active dodecapeptides derived from MSI-78. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2015, 1848, 1139-1146.	1.4	25
454	Characterization of putative multidrug resistance transporters of the major facilitator-superfamily expressed in <i>Salmonella Typhi</i> . <i>Journal of Infection and Chemotherapy</i> , 2015, 21, 357-362.	0.8	17
455	Integrating silver compounds and nanoparticles into ceria nanocontainers for antimicrobial applications. <i>Journal of Materials Chemistry B</i> , 2015, 3, 1760-1768.	2.9	26
456	Plants used in folk medicine: The potential of their hydromethanolic extracts against <i>Candida</i> species. <i>Industrial Crops and Products</i> , 2015, 66, 62-67.	2.5	44

#	ARTICLE	IF	CITATIONS
457	Benzimidazole-based silver(I) heterocyclic carbene complexes as anti-bacterials: synthesis, crystal structures and nucleic acids interaction studies. <i>Applied Organometallic Chemistry</i> , 2015, 29, 126-137.	1.7	28
458	<i>In Vivo</i> Efficacy of Anuran Trypsin Inhibitory Peptides against Staphylococcal Skin Infection and the Impact of Peptide Cyclization. <i>Antimicrobial Agents and Chemotherapy</i> , 2015, 59, 2113-2121.	1.4	14
459	High-yield recombinant expression of the chicken antimicrobial peptide fowlicidin in <i>Escherichia coli</i> . <i>Biotechnology Progress</i> , 2015, 31, 369-374.	1.3	9
460	Clavanin A Improves Outcome of Complications from Different Bacterial Infections. <i>Antimicrobial Agents and Chemotherapy</i> , 2015, 59, 1620-1626.	1.4	38
461	Comparative efficacy of chloramphenicol loaded chondroitin sulfate and dextran sulfate nanoparticles to treat intracellular <i>Salmonella</i> infections. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 127, 33-40.	2.5	38
462	Nano-caged shikimate as a multi-site cross-linker of collagen for biomedical applications. <i>RSC Advances</i> , 2015, 5, 22106-22116.	1.7	8
463	Synthesis, characterization, X-ray crystal structure, DFT calculation and antibacterial activities of new vanadium(IV, V) complexes containing chelidamic acid and novel thiourea derivatives. <i>Journal of Inorganic Biochemistry</i> , 2015, 147, 54-64.	1.5	33
464	D-Enantiomeric Peptides that Eradicate Wild-Type and Multidrug-Resistant Biofilms and Protect against Lethal <i>Pseudomonas aeruginosa</i> Infections. <i>Chemistry and Biology</i> , 2015, 22, 196-205.	6.2	268
465	Spirotetronate antibiotics with anti- <i>Clostridium</i> activity from <i>Actinomadura</i> sp. 2EPS. <i>World Journal of Microbiology and Biotechnology</i> , 2015, 31, 391-398.	1.7	15
466	Antimicrobial packaging based on linear low-density polyethylene compounded with potassium sorbate. <i>LWT - Food Science and Technology</i> , 2015, 62, 278-286.	2.5	32
467	Functional characterization of a melittin analog containing a non-natural tryptophan analog. <i>Biopolymers</i> , 2015, 104, 384-394.	1.2	24
468	Complete β -Lactam Antibiotic Activity Removal from Wastewaters. , 2015, , 113-127.		1
469	<i>Penicillium nalgioense</i> Laxa isolated from Antarctica is a new source of the antifungal metabolite amphotericin B. <i>Fungal Biology and Biotechnology</i> , 2015, 2, 1.	2.5	37
470	Enzymatic synthesis of poly(catechin)-antibiotic conjugates: an antimicrobial approach for indwelling catheters. <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 637-651.	1.7	16
471	WalRK two component system of <i>Bacillus anthracis</i> responds to temperature and antibiotic stress. <i>Biochemical and Biophysical Research Communications</i> , 2015, 459, 623-628.	1.0	10
472	Novel water-soluble chitosan derivative prepared by graft polymerization of dicyandiamide: synthesis, characterisation, and its antibacterial property. <i>Journal of Polymer Research</i> , 2015, 22, 1.	1.2	24
473	Metal-Based Antibacterial Substrates for Biomedical Applications. <i>Biomacromolecules</i> , 2015, 16, 1873-1885.	2.6	139
474	Development of a rapid, reliable and quantitative method for testing antifungal efficacy. <i>Journal of Microbiological Methods</i> , 2015, 117, 36-40.	0.7	11

#	ARTICLE	IF	CITATIONS
475	Conformational preferences and antimicrobial activities of alkanediols. Computational and Theoretical Chemistry, 2015, 1064, 15-24.	1.1	4
476	Rampant Parasexuality Evolves in a Hospital Pathogen during Antibiotic Selection. Molecular Biology and Evolution, 2015, 32, 2585-2597.	3.5	31
477	Membrane Active Small Molecules Show Selective Broad Spectrum Antibacterial Activity with No Detectable Resistance and Eradicate Biofilms. Journal of Medicinal Chemistry, 2015, 58, 5486-5500.	2.9	81
478	Broad spectrum antimicrobial compounds from the bacterium <i>Exiguobacterium mexicanum</i> MSSRFS9. Microbiological Research, 2015, 178, 59-65.	2.5	19
479	Amantelides A and B, Polyhydroxylated Macrolides with Differential Broad-Spectrum Cytotoxicity from a Guamanian Marine Cyanobacterium. Journal of Natural Products, 2015, 78, 1957-1962.	1.5	29
480	Phosphate starvation enhances the pathogenesis of <i>Bacillus anthracis</i> . International Journal of Medical Microbiology, 2015, 305, 523-531.	1.5	15
481	A 17-mer Membrane-Active MSI-78 Derivative with Improved Selectivity toward Bacterial Cells. Molecular Pharmaceutics, 2015, 12, 2904-2911.	2.3	22
482	Synergistic Effect of Membrane-Active Peptides Polymyxin B and Gramicidin S on Multidrug-Resistant Strains and Biofilms of <i>Pseudomonas aeruginosa</i> . Antimicrobial Agents and Chemotherapy, 2015, 59, 5288-5296.	1.4	88
483	Comparative inhibitory effects of <i>Thymus vulgaris</i> L. essential oil against <i>Staphylococcus aureus</i> , <i>Listeria monocytogenes</i> and mesophilic starter co-culture in cheese-mimicking models. Food Microbiology, 2015, 52, 59-65.	2.1	78
484	The efficacy of immediate versus delayed antibiotic administration on bacterial growth and biofilm production of selected strains of uropathogenic <i>Escherichia coli</i> and <i>Pseudomonas aeruginosa</i> . International Braz J Urol: Official Journal of the Brazilian Society of Urology, 2015, 41, 67-77.	0.7	9
485	Montmorillonite immobilized <i>Curcuma aromatica</i> / <i>Zanthoxylum limonella</i> oil nanoconjugate as a green antibacterial and biocompatible material with mosquito repellent attributes. Applied Clay Science, 2015, 109-110, 33-38.	2.6	4
486	Molecular typing of antibiotic-resistant <i>Staphylococcus aureus</i> in Nigeria. Journal of Infection and Public Health, 2015, 8, 187-193.	1.9	36
487	Dhvar5 antimicrobial peptide (AMP) chemoselective covalent immobilization results on higher antiadherence effect than simple physical adsorption. Biomaterials, 2015, 52, 531-538.	5.7	76
488	Synthesis, biological activity, DNA binding and anion sensors, molecular structure and quantum chemical studies of a novel bidentate Schiff base derived from 3,5-bis(trifluoromethyl)aniline and salicylaldehyde. Journal of Molecular Structure, 2015, 1094, 148-160.	1.8	53
489	Recombinant production and evaluation of an antibacterial l-amino acid oxidase derived from flounder <i>Platichthys stellatus</i> . Applied Microbiology and Biotechnology, 2015, 99, 6693-6703.	1.7	10
490	Improved production of sublancin via introduction of three characteristic promoters into operon clusters responsible for this novel distinct glycopeptide biosynthesis. Microbial Cell Factories, 2015, 14, 17.	1.9	16
491	Foaming Betadine Spray as a potential agent for non-labor-intensive preoperative surgical site preparation. Annals of Clinical Microbiology and Antimicrobials, 2015, 14, 20.	1.7	1
492	In vivo antibacterial activity and pharmacological properties of the membrane-active glycopeptide antibiotic YV11455. International Journal of Antimicrobial Agents, 2015, 45, 627-634.	1.1	23

#	ARTICLE	IF	CITATIONS
493	Studies on tridecaptin B ₁ , a lipopeptide with activity against multidrug resistant Gram-negative bacteria. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 6073-6081.	1.5	50
494	A novel pathway producing dimethylsulphide in bacteria is widespread in soil environments. <i>Nature Communications</i> , 2015, 6, 6579.	5.8	82
495	Antimicrobial Activity of Phytochemicals Isolated from <i>Selaginella bryopteris</i> . <i>Chemistry of Natural Compounds</i> , 2015, 51, 341-345.	0.2	11
496	Discovery of Novel Pneumococcal Surface Antigen A (PsaA) Inhibitors Using a Fragment-based Drug Design Approach. <i>ACS Chemical Biology</i> , 2015, 10, 1511-1520.	1.6	19
497	Improved Biofilm Antimicrobial Activity of Polyethylene Glycol Conjugated Tobramycin Compared to Tobramycin in <i>Pseudomonas aeruginosa</i> Biofilms. <i>Molecular Pharmaceutics</i> , 2015, 12, 1544-1553.	2.3	60
498	Systematic analysis of the role of bacterial Hfq-interacting sRNAs in the response to antibiotics. <i>Journal of Antimicrobial Chemotherapy</i> , 2015, 70, 1659-1668.	1.3	62
499	Structural characterization of a novel peptide with antimicrobial activity from the venom gland of the scorpion <i>Tityus stigmurus</i> : Stigmurin. <i>Peptides</i> , 2015, 68, 3-10.	1.2	46
500	Probing the potential of apigenin liposomes in enhancing bacterial membrane perturbation and integrity loss. <i>Journal of Colloid and Interface Science</i> , 2015, 453, 48-59.	5.0	43
501	A novel family of integrases associated with prophages and genomic islands integrated within the tRNA-dihydrouridine synthase A (<i>dusA</i>) gene. <i>Nucleic Acids Research</i> , 2015, 43, 4547-4557.	6.5	34
502	Structure-Activity Relationship Study of Novel Peptoids That Mimic the Structure of Antimicrobial Peptides. <i>Antimicrobial Agents and Chemotherapy</i> , 2015, 59, 4112-4120.	1.4	110
503	SimC7 Is a Novel NAD(P)H-Dependent Ketoreductase Essential for the Antibiotic Activity of the DNA Gyrase Inhibitor Simocyclinone. <i>Journal of Molecular Biology</i> , 2015, 427, 2192-2204.	2.0	7
504	Profiling of β -Lactam Selectivity for Penicillin-Binding Proteins in <i>Streptococcus pneumoniae</i> D39. <i>Antimicrobial Agents and Chemotherapy</i> , 2015, 59, 3548-3555.	1.4	87
505	Clinical utility of antibiotic-loaded hydroxyapatite block for treatment of intractable periprosthetic joint infection and septic arthritis of the hip. <i>Modern Rheumatology</i> , 2015, 25, 937-942.	0.9	12
506	Application of the Vertex Exchange Method to estimate a semi-parametric mixture model for the MIC density of <i>Escherichia coli</i> isolates tested for susceptibility against ampicillin. <i>Biostatistics</i> , 2016, 17, kxxv030.	0.9	5
507	Bioaccumulation and biosorption of Cd ²⁺ and Zn ²⁺ by bacteria isolated from a zinc mine in Thailand. <i>Ecotoxicology and Environmental Safety</i> , 2015, 122, 322-330.	2.9	134
508	Microscale insights into pneumococcal antibiotic mutant selection windows. <i>Nature Communications</i> , 2015, 6, 8773.	5.8	23
509	Synthesis, characterization and antimicrobial activity of copper(II) complexes with hydrazone derived from 3-hydroxy-5-(hydroxymethyl)-2-methylpyridine-4-carbaldehyde. <i>Polyhedron</i> , 2015, 102, 684-692.	1.0	20
510	Ultrasound bath-assisted extraction of essential oils from clove using central composite design. <i>Industrial Crops and Products</i> , 2015, 77, 954-960.	2.5	81

#	ARTICLE	IF	CITATIONS
511	Emodin affects biofilm formation and expression of virulence factors in <i>Streptococcus suis</i> ATCC700794. <i>Archives of Microbiology</i> , 2015, 197, 1173-1180.	1.0	37
512	Detection and qualification of optimum antibacterial and cytotoxic activities of silver-doped bioactive glasses. <i>IET Nanobiotechnology</i> , 2015, 9, 209-214.	1.9	29
513	Antimicrobial activities of methanolic extract of <i>Carissa opaca</i> roots and its fractions and compounds isolated from the most active ethyl acetate fraction. <i>Asian Pacific Journal of Tropical Biomedicine</i> , 2015, 5, 541-545.	0.5	19
514	Synthesis and spectral, antimicrobial, anion sensing, and DNA binding properties of Schiff base podands and their metal complexes. <i>Russian Journal of General Chemistry</i> , 2015, 85, 2149-2162.	0.3	9
515	Exposure to sub-inhibitory concentrations of cefotaxime enhances the systemic colonization of <i>Salmonella</i> Typhimurium in BALB/c mice. <i>Open Biology</i> , 2015, 5, 150070.	1.5	13
516	Structural and Antimicrobial Features of Peptides Related to Myticin C, a Special Defense Molecule from the Mediterranean Mussel <i>Mytilus galloprovincialis</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2015, 63, 9251-9259.	2.4	28
517	Cell Wall Recycling-Linked Coregulation of AmpC and PenB β -Lactamases through <i>ampD</i> Mutations in <i>Burkholderia cenocepacia</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2015, 59, 7602-7610.	1.4	24
518	Evaluation of antibacterial activity of caffeic acid encapsulated by β -cyclodextrins. <i>Journal of Microencapsulation</i> , 2015, 32, 804-810.	1.2	51
519	A green practice for pharmaceutical drug chlorhexidine digluconate treatment and ecotoxicity assessment. <i>Journal of Water Process Engineering</i> , 2015, 7, 266-272.	2.6	5
520	Proposed Mechanisms of Tethered Antimicrobial Peptide Chrysophsin-1 as a Function of Tether Length Using QCM-D. <i>Journal of Physical Chemistry B</i> , 2015, 119, 13142-13151.	1.2	23
521	Interaction of blood components with cathelicidins and their modified versions. <i>Biomaterials</i> , 2015, 69, 201-211.	5.7	20
522	Five novel dicyanidoaurate(SCN)-based complexes exhibiting significant biological activities: synthesis, characterization and three crystal structures. <i>New Journal of Chemistry</i> , 2015, 39, 8136-8152.	1.4	19
523	In vitro probiotic characterization of <i>Lactobacillus</i> strains from fermented radish and their anti-adherence activity against enteric pathogens. <i>Canadian Journal of Microbiology</i> , 2015, 61, 837-850.	0.8	23
524	Host-dependent Induction of Transient Antibiotic Resistance: A Prelude to Treatment Failure. <i>EBioMedicine</i> , 2015, 2, 1169-1178.	2.7	57
525	Lysine-Based Small Molecules That Disrupt Biofilms and Kill both Actively Growing Planktonic and Nondividing Stationary Phase Bacteria. <i>ACS Infectious Diseases</i> , 2015, 1, 469-478.	1.8	69
526	Structural basis for the blockade of MATE multidrug efflux pumps. <i>Nature Communications</i> , 2015, 6, 7995.	5.8	86
527	The Phosphoenolpyruvate: Sugar Phosphotransferase System Is Involved in Sensitivity to the Glucosylated Bacteriocin Sublancin. <i>Antimicrobial Agents and Chemotherapy</i> , 2015, 59, 6844-6854.	1.4	44
528	Rapid, culture-independent, optical diagnostics of centrifugally captured bacteria from urine samples. <i>Biomicrofluidics</i> , 2015, 9, 044118.	1.2	32

#	ARTICLE	IF	CITATIONS
529	Rethinking the Antibiotic Discovery Paradigm. <i>EBioMedicine</i> , 2015, 2, 629-630.	2.7	22
530	Spectrum of Membrane Morphological Responses to Antibacterial Fatty Acids and Related Surfactants. <i>Langmuir</i> , 2015, 31, 10223-10232.	1.6	80
531	Angucyclines and Angucyclinones from <i>Streptomyces</i> sp. CB01913 Featuring C-Ring Cleavage and Expansion. <i>Journal of Natural Products</i> , 2015, 78, 2471-2480.	1.5	41
532	Synthesis of antibacterial and magnetic nanocomposites by decorating graphene oxide surface with metal nanoparticles. <i>RSC Advances</i> , 2015, 5, 76442-76450.	1.7	41
533	Ciprofloxacin-Photoswitch Conjugates: A Facile Strategy for Photopharmacology. <i>Bioconjugate Chemistry</i> , 2015, 26, 2592-2597.	1.8	86
534	Syntheses, characterizations, crystal structures, and biological activities of two new mixed ligand Ni(II) and Cu(II) Schiff base complexes. <i>Journal of Coordination Chemistry</i> , 2015, 68, 632-649.	0.8	31
535	A simple and low-cost platform technology for producing pexiganan antimicrobial peptide in <i>E. coli</i> . <i>Biotechnology and Bioengineering</i> , 2015, 112, 957-964.	1.7	26
536	Essential Oils: Antimicrobial Activities, Extraction Methods, and Their Modeling. <i>Food Engineering Reviews</i> , 2015, 7, 275-297.	3.1	126
537	Copper-binding tripeptide motif increases potency of the antimicrobial peptide Anoplin via Reactive Oxygen Species generation. <i>Biochemical and Biophysical Research Communications</i> , 2015, 456, 446-451.	1.0	46
538	Hydroxy-tryptophan containing derivatives of tritrypticin: Modification of antimicrobial activity and membrane interactions. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2015, 1848, 277-288.	1.4	23
539	Burkholderia cepacia Complex Phage-Antibiotic Synergy (PAS): Antibiotics Stimulate Lytic Phage Activity. <i>Applied and Environmental Microbiology</i> , 2015, 81, 1132-1138.	1.4	169
540	Effects of cyclotides against cutaneous infections caused by <i>Staphylococcus aureus</i> . <i>Peptides</i> , 2015, 63, 38-42.	1.2	37
541	Oligomerization of esculin improves its antibacterial activity and modulates antibiotic resistance. <i>Journal of Antibiotics</i> , 2015, 68, 148-152.	1.0	19
542	Sterically modulated silver(I) complexes of N-benzyl-substituted N-heterocyclic carbenes: synthesis, crystal structures and bioactivity. <i>Transition Metal Chemistry</i> , 2015, 40, 79-88.	0.7	23
543	Tackling vancomycin-resistant bacteria with lipophilic vancomycin-carbohydrate conjugates™. <i>Journal of Antibiotics</i> , 2015, 68, 302-312.	1.0	54
544	<i>Escherichia coli</i> β -galactosidase-catalyzed synthesis of 2-phenoxyethanol galactoside and its characterization. <i>Bioprocess and Biosystems Engineering</i> , 2015, 38, 365-372.	1.7	8
545	Functional synergy of α -helical antimicrobial peptides and traditional antibiotics against Gram-negative and Gram-positive bacteria in vitro and in vivo. <i>European Journal of Clinical Microbiology and Infectious Diseases</i> , 2015, 34, 197-204.	1.3	61
546	Cyclodextrin modulation of gallic acid in vitro antibacterial activity. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2015, 81, 205-214.	0.9	25

#	ARTICLE	IF	CITATIONS
547	Spray-by-spray in situ cross-linking alginate hydrogels delivering a tea tree oil microemulsion. <i>European Journal of Pharmaceutical Sciences</i> , 2015, 66, 20-28.	1.9	50
548	Recognition, survival and persistence of <i>Staphylococcus aureus</i> in the model host <i>Tenebrio molitor</i> . <i>Developmental and Comparative Immunology</i> , 2015, 48, 284-290.	1.0	10
549	Critical analysis of current methods for assessing the in vitro antioxidant and antibacterial activity of plant extracts. <i>Food Chemistry</i> , 2015, 172, 814-822.	4.2	136
550	Evaluation of bioactive properties and phenolic compounds in different extracts prepared from <i>Salvia officinalis</i> L.. <i>Food Chemistry</i> , 2015, 170, 378-385.	4.2	180
551	Purification and characterization of a novel antimicrobial peptide from sheep reproductive tract. <i>Biotechnology Letters</i> , 2015, 37, 327-332.	1.1	1
552	PRELIMINARY STUDY OF ANTIMICROBIAL ACTIVITY OF THE SKIN SECRETIONS OF MALAYSIAN FROGS. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2016, 78, .	0.3	0
553	Culture-based Methods for Detection of Antibiotic Resistance in Agroecosystems: Advantages, Challenges, and Gaps in Knowledge. <i>Journal of Environmental Quality</i> , 2016, 45, 432-440.	1.0	89
554	Antimicrobial and antioxidant activities of <i>Citrus sinensis</i> var. late Valencia fruits at various stages of development. <i>African Journal of Microbiology Research</i> , 2016, 10, 73-78.	0.4	6
555	Designing and testing single tablet for tuberculosis treatment through electrospinning. , 2016, , 335-365.		3
556	In vitro antimicrobial activity of maggot excretions/secretions of <i>Sarcophaga (Liopygia) argyrostoma</i> (Robineau-Desvoidy). <i>African Journal of Microbiology Research</i> , 2016, 10, 1036-1043.	0.4	1
557	Anti-infective Properties and Time-Kill Kinetics of <i>Phyllanthus muellerianus</i> and its Major Constituent, Geraniin. , 2016, 6, .		21
558	Inhibition of E. coli and S. aureus with selenium nanoparticles synthesized by pulsed laser ablation in deionized water. <i>International Journal of Nanomedicine</i> , 2016, Volume 11, 3731-3736.	3.3	97
559	Study of the antibacterial and antifungal activities of synthetic benzyl bromides, ketones, and corresponding chalcone derivatives. <i>Drug Design, Development and Therapy</i> , 2016, Volume 10, 3653-3660.	2.0	33
560	A comparison of the antibacterial activity of some African black soaps and medicated soaps commonly used for the treatment of bacteria-infected wound. <i>Journal of Medicinal Plants for Economic Development</i> , 2016, 1, .	0.3	0
561	Survival and Evolution of a Large Multidrug Resistance Plasmid in New Clinical Bacterial Hosts. <i>Molecular Biology and Evolution</i> , 2016, 33, 2860-2873.	3.5	212
562	Quantifying Attachment and Antibiotic Resistance of <i>Escherichia coli</i> from Conventional and Organic Swine Manure. <i>Journal of Environmental Quality</i> , 2016, 45, 609-617.	1.0	27
563	Antifungal and Antibacterial Activities of Substituted Benzyl 4-Ketohexanoates. <i>Indian Journal of Science and Technology</i> , 2016, 9, .	0.5	1
564	Characterization of Antimycins â€“ Producing Streptomycete Strain VY46 Isolated from Slovak Soil. <i>Brazilian Archives of Biology and Technology</i> , 2016, 59, .	0.5	4

#	ARTICLE	IF	CITATIONS
565	Laboratory systems as an antibacterial resistance containment tool in Africa. <i>African Journal of Laboratory Medicine</i> , 2016, 5, 497.	0.2	8
566	Effect of Encapsulation on Antimicrobial Activity of Herbal Extracts with Lysozyme. <i>Food Technology and Biotechnology</i> , 2016, 54, 304-316.	0.9	44
567	Recent Developments in Antimicrobial Polymers: A Review. <i>Materials</i> , 2016, 9, 599.	1.3	153
568	Mutation of the Enterohemorrhagic <i>Escherichia coli</i> Core LPS Biosynthesis Enzyme RfaD Confers Hypersusceptibility to Host Intestinal Innate Immunity In vivo. <i>Frontiers in Cellular and Infection Microbiology</i> , 2016, 6, 82.	1.8	23
569	Novel Synthesis of Kanamycin Conjugated Gold Nanoparticles with Potent Antibacterial Activity. <i>Frontiers in Microbiology</i> , 2016, 7, 607.	1.5	115
570	Antimicrobial Activity of Tulsi (<i>Ocimum tenuiflorum</i>) Essential Oil and Their Major Constituents against Three Species of Bacteria. <i>Frontiers in Microbiology</i> , 2016, 7, 681.	1.5	87
571	Nematode Peptides with Host-Directed Anti-inflammatory Activity Rescue <i>Caenorhabditis elegans</i> from a <i>Burkholderia pseudomallei</i> Infection. <i>Frontiers in Microbiology</i> , 2016, 7, 1436.	1.5	12
572	A New Synthetic Peptide Having Two Target of Antibacterial Action in <i>E. coli</i> ML35. <i>Frontiers in Microbiology</i> , 2016, 7, 2006.	1.5	18
573	Polyelectrolyte-Functionalized Nanofiber Mats Control the Collection and Inactivation of <i>Escherichia coli</i> . <i>Materials</i> , 2016, 9, 297.	1.3	19
574	Synthesis and Structural Characterization of Silver Nanoparticles Stabilized with 3-Mercapto-1-Propanesulfonate and 1-Thioglucoose Mixed Thiols for Antibacterial Applications. <i>Materials</i> , 2016, 9, 1028.	1.3	58
575	Therapeutic Potential of Gramicidin S in the Treatment of Root Canal Infections. <i>Pharmaceuticals</i> , 2016, 9, 56.	1.7	27
576	Turning Waste into Value: Nanosized Natural Plant Materials of <i>Solanum incanum</i> L. and <i>Pterocarpus erinaceus</i> Poir with Promising Antimicrobial Activities. <i>Pharmaceutics</i> , 2016, 8, 11.	2.0	24
577	Tanzawaic Acids, a Chemically Novel Set of Bacterial Conjugation Inhibitors. <i>PLoS ONE</i> , 2016, 11, e0148098.	1.1	37
578	Anti-quorum sensing activity of phenolic extract from <i>Eugenia brasiliensis</i> (Brazilian cherry). <i>Food Science and Technology</i> , 2016, 36, 337-343.	0.8	25
579	Ginkgotides: Proline-Rich Hevein-Like Peptides from Gymnosperm <i>Ginkgo biloba</i> . <i>Frontiers in Plant Science</i> , 2016, 7, 1639.	1.7	29
580	Peptide consensus sequence determination for the enhancement of the antimicrobial activity and selectivity of antimicrobial peptides. <i>Infection and Drug Resistance</i> , 2017, Volume 10, 1-17.	1.1	15
581	Anti-biofilm and sporicidal activity of peptides based on wheat puroindoline and barley hordoindoline proteins. <i>Journal of Peptide Science</i> , 2016, 22, 492-500.	0.8	32
582	Phenolic constituents from apple tree leaves and their in vitro biological activity. <i>Industrial Crops and Products</i> , 2016, 90, 118-125.	2.5	24

#	ARTICLE	IF	CITATIONS
583	Identification of EnvC and Its Cognate Amidases as Novel Determinants of Intrinsic Resistance to Cationic Antimicrobial Peptides. <i>Antimicrobial Agents and Chemotherapy</i> , 2016, 60, 2222-2231.	1.4	8
584	Synthesis, spectral and quantum chemical studies and use of (E) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 712 Td ()-3-[(3,5-bis(4-tert-butylphenyl)oxy)benzylideneammonium]anion as an anion sensor, DNA binding, DNA cleavage, anti-microbial, anti-mutagenic and anti-cancer agent. <i>Journal of Molecular Structure</i> , 2016, 1125, 162-176.	1.8	33
585	Antimicrobial activity of GN peptides and their mode of action. <i>Biopolymers</i> , 2016, 106, 172-183.	1.2	13
586	Investigation of Hungarian mushrooms for antibacterial activity and synergistic effects with standard antibiotics against resistant bacterial strains. <i>Letters in Applied Microbiology</i> , 2016, 62, 437-443.	1.0	15
587	Enhanced antibacterial activity of copper/copper oxide nanowires prepared by pulsed laser ablation in water medium. <i>Applied Physics A: Materials Science and Processing</i> , 2016, 122, 1.	1.1	15
588	Enhanced antimicrobial activity of a peptide derived from human lysozyme by arylation of its tryptophan residues. <i>Journal of Peptide Science</i> , 2016, 22, 123-128.	0.8	18
589	Nisin and lysostaphin activity against preformed biofilm of <i>Staphylococcus aureus</i> involved in bovine mastitis. <i>Journal of Applied Microbiology</i> , 2016, 121, 101-114.	1.4	50
590	Biosynthetic Origin of the Ether Ring in Platensimycin. <i>Journal of the American Chemical Society</i> , 2016, 138, 16711-16721.	6.6	37
591	LysGH15 kills <i>Staphylococcus aureus</i> without being affected by the humoral immune response or inducing inflammation. <i>Scientific Reports</i> , 2016, 6, 29344.	1.6	50
592	Dental plaque bacteria with reduced susceptibility to chlorhexidine are multidrug resistant. <i>BMC Microbiology</i> , 2016, 16, 214.	1.3	78
593	Rapid bacterial antibiotic susceptibility test based on simple surface-enhanced Raman spectroscopic biomarkers. <i>Scientific Reports</i> , 2016, 6, 23375.	1.6	96
594	Characterization of the GntR family regulator HpaR1 of the crucifer black rot pathogen <i>Xanthomonas campestris</i> pathovar <i>campestris</i> . <i>Scientific Reports</i> , 2016, 6, 19862.	1.6	27
595	Cellulose aerogels functionalized with polypyrrole and silver nanoparticles: In-situ synthesis, characterization and antibacterial activity. <i>Carbohydrate Polymers</i> , 2016, 146, 362-367.	5.1	61
596	High-throughput screening of antibiotic-resistant bacteria in picodroplets. <i>Lab on A Chip</i> , 2016, 16, 1636-1643.	3.1	96
597	Resazurin-based 96-well plate microdilution method for the determination of minimum inhibitory concentration of biosurfactants. <i>Biotechnology Letters</i> , 2016, 38, 1015-1019.	1.1	404
598	Antitumor effects of cecropin B-LHRH TM on drug-resistant ovarian and endometrial cancer cells. <i>BMC Cancer</i> , 2016, 16, 251.	1.1	21
599	Incorporation of tryptophan analogues into the lantibiotic nisin. <i>Amino Acids</i> , 2016, 48, 1309-1318.	1.2	36
600	Drimane Sesquiterpenoids and Isochromone Derivative from the Endophytic Fungus <i>Pestalotiopsis</i> sp. M-23. <i>Natural Products and Bioprospecting</i> , 2016, 6, 155-160.	2.0	14

#	ARTICLE	IF	CITATIONS
601	Total Synthesis of Teixobactin. <i>Organic Letters</i> , 2016, 18, 2788-2791.	2.4	84
602	Effects of illuminance and nutrients on bacterial photo-physiology of hydrocarbon degradation. <i>Science of the Total Environment</i> , 2016, 557-558, 705-711.	3.9	21
603	Synthesis, antimicrobial and anticonvulsant screening of small library of tetrahydro-2H-thiopyran-4-yl based thiazoles and selenazoles. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2016, 31, 24-39.	2.5	28
604	Role of nutrients and illuminance in predicting the fate of fungal mediated petroleum hydrocarbon degradation and biomass production. <i>Journal of Environmental Management</i> , 2016, 176, 54-60.	3.8	25
605	Distinguishing between resistance, tolerance and persistence to antibiotic treatment. <i>Nature Reviews Microbiology</i> , 2016, 14, 320-330.	13.6	1,104
606	Hydrazide-hydrazones of 3-methoxybenzoic acid and 4- <i>tert</i> -butylbenzoic acid with promising antibacterial activity against <i>Bacillus</i> spp. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2016, 31, 62-69.	2.5	19
607	Adding functionality with additive manufacturing: Fabrication of titanium-based antibiotic eluting implants. <i>Materials Science and Engineering C</i> , 2016, 64, 407-415.	3.8	67
608	Core/shell (ZnO/polyacrylamide) nanocomposite: In-situ emulsion polymerization, corrosion inhibition, anti-microbial and anti-biofilm characteristics. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2016, 63, 512-522.	2.7	42
609	Scanning of 16S Ribosomal RNA for Peptide Nucleic Acid Targets. <i>Journal of Physical Chemistry B</i> , 2016, 120, 8369-8378.	1.2	18
610	Silver coated anionic cellulose nanofiber composites for an efficient antimicrobial activity. <i>Carbohydrate Polymers</i> , 2016, 149, 51-59.	5.1	71
611	Sulfidogenic-corrosion inhibitory effect of cationic monomeric and gemini surfactants: planktonic and sessile diversity. <i>RSC Advances</i> , 2016, 6, 42263-42278.	1.7	18
612	Antibacterial sulfur-containing platensimycin and platencin congeners from <i>Streptomyces platensis</i> SB12029. <i>Bioorganic and Medicinal Chemistry</i> , 2016, 24, 6348-6353.	1.4	25
613	<i>In vitro</i> pharmacokinetics/pharmacodynamics of the combination of avibactam and aztreonam against MDR organisms. <i>Journal of Antimicrobial Chemotherapy</i> , 2016, 71, 1866-1880.	1.3	35
614	<i>In vitro</i> selection, characterization and cytotoxic effect of bacteriocin of <i>Lactobacillus sakei</i> GM3 isolated from goat milk. <i>Food Control</i> , 2016, 69, 124-133.	2.8	44
615	Inactivation of <i>Escherichia coli</i> , <i>Listeria monocytogenes</i> , and <i>Salmonella Enteritidis</i> by <i>Cymbopogon citratus</i> D.C. Stapf. <i>Essential Oil in Pineapple Juice</i> . <i>Journal of Food Protection</i> , 2016, 79, 213-219.	0.8	28
616	Recombinant Human Peptidoglycan Recognition Proteins Reveal Antichlamydial Activity. <i>Infection and Immunity</i> , 2016, 84, 2124-2130.	1.0	14
617	Tannic Acid as a Potential Modulator of Norfloxacin Resistance in <i>Staphylococcus Aureus</i> Overexpressing <i>norA</i> . <i>Chemotherapy</i> , 2016, 61, 319-322.	0.8	12
618	Linkage Isomerism in Silver Acylpyrazolonato Complexes and Correlation with Their Antibacterial Activity. <i>Inorganic Chemistry</i> , 2016, 55, 5453-5466.	1.9	33

#	ARTICLE	IF	CITATIONS
619	Influence of hydrothermal process on bioactive compounds extraction from green coffee bean. <i>Innovative Food Science and Emerging Technologies</i> , 2016, 38, 24-31.	2.7	30
620	Chitosan Derivatives Active against Multidrug-Resistant Bacteria and Pathogenic Fungi: <i>In Vivo</i> Evaluation as Topical Antimicrobials. <i>Molecular Pharmaceutics</i> , 2016, 13, 3578-3589.	2.3	71
621	Identification of the High-affinity Substrate-binding Site of the Multidrug and Toxic Compound Extrusion (MATE) Family Transporter from <i>Pseudomonas stutzeri</i> . <i>Journal of Biological Chemistry</i> , 2016, 291, 15503-15514.	1.6	23
622	Antibiotic resistance evolved via inactivation of a ribosomal RNA methylating enzyme. <i>Nucleic Acids Research</i> , 2016, 44, 8897-8907.	6.5	36
623	Novel haemoglobin-derived antimicrobial peptides from chicken (<i>Gallus gallus</i>) blood: purification, structural aspects and biological activity. <i>Journal of Applied Microbiology</i> , 2016, 121, 1546-1557.	1.4	7
624	Design, synthesis and biological evaluation of ciprofloxacin tethered bis-1,2,3-triazole conjugates as potent antibacterial agents. <i>European Journal of Medicinal Chemistry</i> , 2016, 124, 218-228.	2.6	66
625	3D Printing a Susceptibility Assay for Multidrug-Resistant Bacteria. <i>CheM</i> , 2016, 1, 346-348.	5.8	2
626	Antibacterial and Cytotoxic Actinomycins Y ₆ and Y ₉ and Z _p from <i>Streptomyces</i> sp. Strain GÅτ-GS12. <i>Journal of Natural Products</i> , 2016, 79, 2731-2739.	1.5	39
627	Bacterial Abscess Formation Is Controlled by the Stringent Stress Response and Can Be Targeted Therapeutically. <i>EBioMedicine</i> , 2016, 12, 219-226.	2.7	63
628	Synthesis, characterization, thermodynamics and biological studies of binary and ternary complexes including some divalent metal ions, 2, 3-dihydroxybenzoic acid and N -acetylcysteine. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2016, 68, 23-30.	2.7	4
629	Transcriptomic analysis of <i>Propionibacterium acnes</i> biofilms in <i>in vitro</i> . <i>Anaerobe</i> , 2016, 42, 111-118.	1.0	42
630	Transcriptional Responses of <i>Escherichia coli</i> to a Small-Molecule Inhibitor of LolCDE, an Essential Component of the Lipoprotein Transport Pathway. <i>Journal of Bacteriology</i> , 2016, 198, 3162-3175.	1.0	16
631	“Seeing the Invisibles at the Single-Molecule Level. <i>CheM</i> , 2016, 1, 348-350.	5.8	0
632	Antibacterial screening of <i>Juncaceae</i> species native to the Carpathian Basin against resistant strains and LC-MS investigation of phenanthrenes responsible for the effect. <i>FÅτ-toterapÅτ</i> , 2016, 115, 69-73.	1.1	6
633	<i>N</i> -Spiro-fused Bicyclic Derivatives of 1-Deoxyxojirimycin: Synthesis and Preliminary Biological Evaluation. <i>ChemistrySelect</i> , 2016, 1, 2444-2447.	0.7	4
634	Investigation of C-5 alkynyl (alkynyloxy or hydroxymethyl) and/or N-3 propynyl substituted pyrimidine nucleoside analogs as a new class of antimicrobial agents. <i>Bioorganic and Medicinal Chemistry</i> , 2016, 24, 5521-5533.	1.4	8
635	Removal of antibiotics in wastewater by enzymatic treatment with fungal laccase “ Degradation of compounds does not always eliminate toxicity. <i>Bioresource Technology</i> , 2016, 219, 500-509.	4.8	142
636	The agar microdilution method - a new method for antimicrobial susceptibility testing for essential oils and plant extracts. <i>Journal of Applied Microbiology</i> , 2016, 121, 1291-1299.	1.4	45

#	ARTICLE	IF	CITATIONS
637	Characterization of Functional Prophages in <i>Clostridium difficile</i> . <i>Methods in Molecular Biology</i> , 2016, 1476, 143-165.	0.4	17
638	iTRAQ-Based Proteomics Revealed the Bactericidal Mechanism of Sodium New Houttuynonate against <i>Streptococcus pneumoniae</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2016, 64, 6375-6382.	2.4	27
639	Systematic review of the in vitro effects of statins on oral and perioral microorganisms. <i>European Journal of Oral Sciences</i> , 2016, 124, 4-10.	0.7	35
640	Discovery of Potent Pantothenamide Inhibitors of <i>Staphylococcus aureus</i> Pantothenate Kinase through a Minimal SAR Study: Inhibition Is Due to Trapping of the Product. <i>ACS Infectious Diseases</i> , 2016, 2, 627-641.	1.8	13
641	Antifungal properties of hypericin, hypericin tetrasulphonic acid and fagopyrin on pathogenic fungi and spoilage yeasts. <i>Pharmaceutical Biology</i> , 2016, 54, 3121-3125.	1.3	33
642	The Lantibiotic NAI-107 Efficiently Rescues <i>Drosophila melanogaster</i> from Infection with Methicillin-Resistant <i>Staphylococcus aureus</i> USA300. <i>Antimicrobial Agents and Chemotherapy</i> , 2016, 60, 5427-5436.	1.4	18
643	Assessment of the antimicrobial activity of <i>Lentinula edodes</i> against <i>Xanthomonas campestris</i> pv. <i>vesicatoria</i> . <i>Crop Protection</i> , 2016, 89, 284-288.	1.0	14
644	Efficacy of Poly-Lactic-Co-Glycolic Acid Micro- and Nanoparticles of Ciprofloxacin Against Bacterial Biofilms. <i>Journal of Pharmaceutical Sciences</i> , 2016, 105, 3115-3122.	1.6	42
645	A Bayesian approach to the semiparametric estimation of a minimum inhibitory concentration distribution. <i>Annals of Applied Statistics</i> , 2016, 10, .	0.5	8
646	Short-Term Pretreatment of Sub-Inhibitory Concentrations of Gentamycin Inhibits the Swarming Motility of <i>Escherichia Coli</i> by Down-Regulating the Succinate Dehydrogenase Gene. <i>Cellular Physiology and Biochemistry</i> , 2016, 39, 1307-1316.	1.1	13
647	Fully Zwitterionic Nanoparticle Antimicrobial Agents through Tuning of Core Size and Ligand Structure. <i>ACS Nano</i> , 2016, 10, 8732-8737.	7.3	118
648	Bactericidal Hydrogels via Surface Functionalization with Cecropin A. <i>ACS Biomaterials Science and Engineering</i> , 2016, 2, 1894-1904.	2.6	6
649	Quorum Quenching and Microbial Control through Phenolic Extract of <i>Eugenia Uniflora</i> Fruits. <i>Journal of Food Science</i> , 2016, 81, M2538-M2544.	1.5	20
650	Chemical Variability and Biological Activities of Essential Oils of <i>Micromeria inodora</i> (<i>Desf.</i>) <i>Benth.</i> from Algeria. <i>Chemistry and Biodiversity</i> , 2016, 13, 1559-1572.	1.0	14
651	A microbiological method for determining serum levels of broad spectrum β -lactam antibiotics in critically ill patients. <i>Journal of Microbiological Methods</i> , 2016, 129, 23-27.	0.7	14
652	Design, synthesis, and in vitro antimicrobial activity of hydrazide-hydrazones of α -substituted acetic acid. <i>Chemical Biology and Drug Design</i> , 2016, 88, 873-883.	1.5	22
653	Mosquitoes host communities of bacteria that are essential for development but vary greatly between local habitats. <i>Molecular Ecology</i> , 2016, 25, 5806-5826.	2.0	250
654	Cholane and Lanostane Derivatives: Antimicrobial Evaluation. <i>ChemistrySelect</i> , 2016, 1, 4856-4860.	0.7	0

#	ARTICLE	IF	CITATIONS
655	The evolution of antimicrobial peptide resistance in <i>Pseudomonas aeruginosa</i> is shaped by strong epistatic interactions. <i>Nature Communications</i> , 2016, 7, 13002.	5.8	106
656	Frequency of antibiotic application drives rapid evolutionary adaptation of <i>Escherichia coli</i> persistence. <i>Nature Microbiology</i> , 2016, 1, 16020.	5.9	210
657	Synthesis, Antimicrobial and In Silico EGFR Inhibitory Activity Evaluation of Sulfonylamino Pyrrolidine Derivatives. <i>Pharmaceutical Chemistry Journal</i> , 2016, 50, 443-450.	0.3	5
658	Antibacterial activity of the nitrovinylfuran G1 (Furvina) and its conversion products. <i>Scientific Reports</i> , 2016, 6, 36844.	1.6	9
659	Cationic bactericidal peptide 1018 does not specifically target the stringent response alarmone (p)ppGpp. <i>Scientific Reports</i> , 2016, 6, 36549.	1.6	37
660	Stability assessment of hydro dispersive nanometric permethrin and its biosafety study towards the beneficial bacterial isolate from paddy rhizome. <i>Environmental Science and Pollution Research</i> , 2016, 23, 24970-24982.	2.7	20
661	Attenuation of <i>Pseudomonas aeruginosa</i> biofilm formation by Vitexin: A combinatorial study with azithromycin and gentamicin. <i>Scientific Reports</i> , 2016, 6, 23347.	1.6	152
662	Structural Studies of a Lipid-Binding Peptide from Tunicate Hemocytes with Anti-Biofilm Activity. <i>Scientific Reports</i> , 2016, 6, 27128.	1.6	24
663	Antibacterial and Antibiofilm Activity of Cationic Small Molecules with Spatial Positioning of Hydrophobicity: An in Vitro and in Vivo Evaluation. <i>Journal of Medicinal Chemistry</i> , 2016, 59, 10750-10762.	2.9	92
664	Host Cell Interactions Are a Significant Barrier to the Clinical Utility of Peptide Antibiotics. <i>ACS Chemical Biology</i> , 2016, 11, 3391-3399.	1.6	78
665	Coupling of radiofrequency with magnetic nanoparticles treatment as an alternative physical antibacterial strategy against multiple drug resistant bacteria. <i>Scientific Reports</i> , 2016, 6, 33662.	1.6	40
666	An anti-infective synthetic peptide with dual antimicrobial and immunomodulatory activities. <i>Scientific Reports</i> , 2016, 6, 35465.	1.6	105
667	Highly potent antimicrobial peptide derivatives of bovine cateslytin. <i>RSC Advances</i> , 2016, 6, 94840-94844.	1.7	5
668	A plant from the altiplano of Northern Chile <i>Senecio nutans</i> , inhibits the <i>Vibrio cholerae</i> pathogen. <i>SpringerPlus</i> , 2016, 5, 1788.	1.2	9
669	Destruction of Opportunistic Pathogens via Polymer Nanoparticle-Mediated Release of Plant-Based Antimicrobial Payloads. <i>Advanced Healthcare Materials</i> , 2016, 5, 1094-1103.	3.9	22
670	Gramicidin...A Mutants with Antibiotic Activity against Both Gram-Positive and Gram-Negative Bacteria. <i>ChemMedChem</i> , 2016, 11, 629-636.	1.6	7
671	Antibacterial effect of N-acetylcysteine and taurolidine on planktonic and biofilm forms of <i>Enterococcus faecalis</i> . <i>Dental Traumatology</i> , 2016, 32, 212-218.	0.8	18
672	Contributions of tropodithietic acid and biofilm formation to the probiotic activity of <i>Phaeobacter inhibens</i> . <i>BMC Microbiology</i> , 2016, 16, 1.	1.3	229

#	ARTICLE	IF	CITATIONS
673	What Is the "Minimum Inhibitory Concentration" (MIC) of Pexiganan Acting on Escherichia coli? A Cautionary Case Study. <i>Advances in Experimental Medicine and Biology</i> , 2016, 915, 33-48.	0.8	28
674	Elucidation of the Teixobactin Pharmacophore. <i>ACS Chemical Biology</i> , 2016, 11, 1823-1826.	1.6	83
675	Influence of molecular structure on the antimicrobial function of phenylenevinylene conjugated oligoelectrolytes. <i>Chemical Science</i> , 2016, 7, 5714-5722.	3.7	40
676	Highly effective antibacterial activity and synergistic effect of Ag-MgO nanocomposite against Escherichia coli. <i>Journal of Alloys and Compounds</i> , 2016, 684, 282-290.	2.8	73
677	Clindamycin Affects Group A <i>Streptococcus</i> Virulence Factors and Improves Clinical Outcome. <i>Journal of Infectious Diseases</i> , 2017, 215, jiw229.	1.9	47
678	Discovery, Production and Modification of Five Novel Lantibiotics Using the Promiscuous Nisin Modification Machinery. <i>ACS Synthetic Biology</i> , 2016, 5, 1146-1154.	1.9	84
679	Synthesis and characterization of an injectable and self-curing poly(methyl methacrylate) cement functionalized with a biomimetic chitosan-poly(vinyl alcohol)/nano-sized hydroxyapatite/silver hydrogel. <i>RSC Advances</i> , 2016, 6, 60609-60619.	1.7	17
680	Antimicrobial applications of copper. <i>International Journal of Hygiene and Environmental Health</i> , 2016, 219, 585-591.	2.1	253
681	Synergism of Water Shock and a Biocompatible Block Copolymer Potentiates the Antibacterial Activity of Graphene Oxide. <i>Small</i> , 2016, 12, 951-962.	5.2	30
682	Complexes of 2,6-dihydroxybenzoic acid with divalent metal ions: Synthesis, crystal structure, spectral studies, and biological activity enhancement. <i>Journal of Molecular Liquids</i> , 2016, 221, 617-623.	2.3	16
683	Mind "De GaPP" in vitro efficacy of deferiprone and gallium-protoporphyrin against <i>Staphylococcus aureus</i> biofilms. <i>International Forum of Allergy and Rhinology</i> , 2016, 6, 737-743.	1.5	39
684	A new cryptic cationic antimicrobial peptide from human apolipoprotein E with antibacterial activity and immunomodulatory effects on human cells. <i>FEBS Journal</i> , 2016, 283, 2115-2131.	2.2	54
685	Chemical variability of essential oils of <i>Protium colombianum</i> from two tropical life zones and their in vitro activity against isolates of <i>Fusarium</i> . <i>Journal of Pest Science</i> , 2016, 89, 241-248.	1.9	6
686	Synthesis and evaluation of membrane permeabilizing properties of cationic amphiphiles derived from the disaccharide trehalose. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 3012-3015.	1.5	14
687	Sterilization of Lung Matrices by Supercritical Carbon Dioxide. <i>Tissue Engineering - Part C: Methods</i> , 2016, 22, 260-269.	1.1	51
688	Effect of processing conditions on the optical properties of films based on alginate, caseinate and lemongrass oil. <i>CYTA - Journal of Food</i> , 2016, 14, 219-226.	0.9	3
689	Antibiograms in five pipetting steps: precise dilution assays in sub-microliter volumes with a conventional pipette. <i>Lab on A Chip</i> , 2016, 16, 893-901.	3.1	38
690	Rhamnolipid and surfactin: Anti-adhesion/antibiofilm and antimicrobial effects. <i>Food Control</i> , 2016, 63, 171-178.	2.8	102

#	ARTICLE	IF	CITATIONS
691	Development and Characterization of Potent Cyclic Acyldepsipeptide Analogues with Increased Antimicrobial Activity. <i>Journal of Medicinal Chemistry</i> , 2016, 59, 624-646.	2.9	44
692	Cationic Pillararenes Potently Inhibit Biofilm Formation without Affecting Bacterial Growth and Viability. <i>Journal of the American Chemical Society</i> , 2016, 138, 754-757.	6.6	180
693	Quaternary ammonium surfactant structure determines selective toxicity towards bacteria: mechanisms of action and clinical implications in antibacterial prophylaxis. <i>Journal of Antimicrobial Chemotherapy</i> , 2016, 71, 641-654.	1.3	64
694	Improving short antimicrobial peptides despite elusive rules for activity. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2016, 1858, 1024-1033.	1.4	57
695	Biologically Active Acetylenic Amino Alcohol and <i>N</i> -Hydroxylated 1,2,3,4-Tetrahydro- β -carboline Constituents of the New Zealand Ascidian <i>Pseudodistoma opacum</i> . <i>Journal of Natural Products</i> , 2016, 79, 607-610.	1.5	31
696	Antimicrobial Susceptibility Test with Plasmonic Imaging and Tracking of Single Bacterial Motions on Nanometer Scale. <i>ACS Nano</i> , 2016, 10, 845-852.	7.3	123
697	Oligo-polyethylene glycol (PEG)-modified 14-deoxy-11,12-didehydroandrographolide derivatives: synthesis, solubility and anti-bacterial activity. <i>Tetrahedron</i> , 2016, 72, 2265-2270.	1.0	7
698	<i>In Vitro</i> Activity of Quaternary Ammonium Surfactants against Streptococcal, Chlamydial, and Gonococcal Infective Agents. <i>Antimicrobial Agents and Chemotherapy</i> , 2016, 60, 3323-3332.	1.4	7
699	Current methods for the identification of carbapenemases. <i>Journal of Chemotherapy</i> , 2016, 28, 1-19.	0.7	53
700	Antimicrobial Activity of Ferulic Acid Against <i>Cronobacter sakazakii</i> and Possible Mechanism of Action. <i>Foodborne Pathogens and Disease</i> , 2016, 13, 196-204.	0.8	93
701	Phenolic acid degradation potential and growth behavior of lactic acid bacteria in sunflower substrates. <i>Food Microbiology</i> , 2016, 57, 178-186.	2.1	54
702	Lauroyl arginate ethyl: An effective antibiofouling agent applicable for reverse osmosis processes producing potable water. <i>Journal of Membrane Science</i> , 2016, 507, 24-33.	4.1	36
703	Antioxidant, antimicrobial and anti-quorum sensing activities of <i>Rubus rosaefolius</i> phenolic extract. <i>Industrial Crops and Products</i> , 2016, 84, 59-66.	2.5	84
704	Effective antimicrobial activity of Cbf-14, derived from a cathelin-like domain, against penicillin-resistant bacteria. <i>Biomaterials</i> , 2016, 87, 32-45.	5.7	49
705	A highly precise and portable genome engineering method allows comparison of mutational effects across bacterial species. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 2502-2507.	3.3	190
706	Synthesis of newer 1,2,3-triazole linked chalcone and flavone hybrid compounds and evaluation of their antimicrobial and cytotoxic activities. <i>European Journal of Medicinal Chemistry</i> , 2016, 113, 34-49.	2.6	161
707	Transport of microorganisms into cellulose nanofiber mats. <i>RSC Advances</i> , 2016, 6, 24438-24445.	1.7	30
708	Probing minority population of antibiotic-resistant bacteria. <i>Biosensors and Bioelectronics</i> , 2016, 80, 323-330.	5.3	22

#	ARTICLE	IF	CITATIONS
709	Rapid multiplexed phenotypic screening identifies drug resistance functions for three novel efflux pumps in <i>Acinetobacter baumannii</i> . <i>Journal of Antimicrobial Chemotherapy</i> , 2016, 71, 1223-1232.	1.3	26
710	Design, synthesis and in vitro evaluation of anticancer and antibacterial potential of surface modified Tb(OH) ₃ @SiO ₂ core-shell nanoparticles. <i>RSC Advances</i> , 2016, 6, 18667-18677.	1.7	18
711	Small angle X-ray scattering as a high-throughput method to classify antimicrobial modes of action. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2016, 1858, 918-925.	1.4	33
712	Development of a sandwiched microarray platform for studying the interactions of antibiotics with <i>Staphylococcus aureus</i> . <i>Analytica Chimica Acta</i> , 2016, 917, 93-100.	2.6	5
713	Synthesis and biological evaluation of N-naphthoyl-phenylglyoxamide-based small molecular antimicrobial peptide mimics as novel antimicrobial agents and biofilm inhibitors. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 3623-3637.	1.5	28
714	Effects of the Essential Oil from <i>Origanum vulgare</i> L. on Survival of Pathogenic Bacteria and Starter Lactic Acid Bacteria in Semihard Cheese Broth and Slurry. <i>Journal of Food Protection</i> , 2016, 79, 246-252.	0.8	33
715	Managing bacterial biofilms with chitosan-based polymeric nitric oxides: Inactivation of biofilm bacteria and synergistic effects with antibiotics. <i>Journal of Bioactive and Compatible Polymers</i> , 2016, 31, 393-410.	0.8	11
716	A Methyl 4-Oxo-4-phenylbut-2-enoate with in Vivo Activity against MRSA That Inhibits MenB in the Bacterial Menaquinone Biosynthesis Pathway. <i>ACS Infectious Diseases</i> , 2016, 2, 329-340.	1.8	22
718	In Silico Driven Design and Synthesis of Rhodanine Derivatives as Novel Antibacterials Targeting the Enoyl Reductase InhA. <i>Journal of Medicinal Chemistry</i> , 2016, 59, 10917-10928.	2.9	35
719	Combination Effects of Antimicrobial Peptides. <i>Antimicrobial Agents and Chemotherapy</i> , 2016, 60, 1717-1724.	1.4	190
720	Recombinant expression, antimicrobial activity and mechanism of action of tritrypticin analogs containing fluoro-tryptophan residues. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2016, 1858, 1012-1023.	1.4	15
721	In vitro anti-Candida activity of <i>Glycyrrhiza glabra</i> L. <i>Industrial Crops and Products</i> , 2016, 83, 81-85.	2.5	25
722	Central Role of the Copper-Binding Motif in the Complex Mechanism of Action of Ixosin: Enhancing Oxidative Damage and Promoting Synergy with Ixosin B. <i>ACS Infectious Diseases</i> , 2016, 2, 71-81.	1.8	30
723	Synthesis, antimicrobial evaluation and theoretical prediction of NMR chemical shifts of thiazole and selenazole derivatives with high antifungal activity against <i>Candida</i> spp.. <i>Journal of Molecular Structure</i> , 2016, 1108, 427-437.	1.8	31
724	Antimicrobial activity of aroylhydrazone-based oxido vanadium(v) complexes: in vitro and in silico studies. <i>New Journal of Chemistry</i> , 2016, 40, 2401-2412.	1.4	49
725	Lessons from black pepper: piperine and derivatives thereof. <i>Expert Opinion on Therapeutic Patents</i> , 2016, 26, 245-264.	2.4	31
726	Rational design of mirror-like peptides with alanine regulation. <i>Amino Acids</i> , 2016, 48, 403-417.	1.2	17
727	Experimental Evolution of <i>Escherichia coli</i> Persister Levels Using Cyclic Antibiotic Treatments. <i>Methods in Molecular Biology</i> , 2016, 1333, 131-143.	0.4	6

#	ARTICLE	IF	CITATIONS
728	NLF20: an antimicrobial peptide with therapeutic potential against invasive <i>Pseudomonas aeruginosa</i> infection. <i>Journal of Antimicrobial Chemotherapy</i> , 2016, 71, 170-180.	1.3	15
729	One-pot synthesis of dendritic hyperbranched PAMAM and assessment as a broad spectrum antimicrobial agent and anti-biofilm. <i>Materials Science and Engineering C</i> , 2016, 58, 1150-1159.	3.8	26
730	Allosteric site-mediated active site inhibition of PBP2a using Quercetin 3-O-rutinoside and its combination. <i>Journal of Biomolecular Structure and Dynamics</i> , 2016, 34, 1778-1796.	2.0	20
731	Optimization of oncocin for antibacterial activity using a SPOT synthesis approach: extending the pathogen spectrum to <i>Staphylococcus aureus</i> . <i>Amino Acids</i> , 2016, 48, 269-280.	1.2	34
732	Production of bioactive wheat puroindoline proteins in <i>Nicotiana benthamiana</i> using a virus-based transient expression system. <i>Protein Expression and Purification</i> , 2016, 125, 43-52.	0.6	4
733	An antifungal protein from <i>Ginkgo biloba</i> binds actin and can trigger cell death. <i>Protoplasma</i> , 2016, 253, 1159-1174.	1.0	19
734	Aza-Michael Addition of β -Aminopropylsilatranes to Substituted N-Phenylmaleimides: Design and Synthesis of a Heterocyclic Amine Receptor and Their Preliminary Antimicrobial Studies. <i>Silicon</i> , 2017, 9, 495-501.	1.8	3
735	Synthesis and biological evaluation of a new dysprosium(III) complex containing 2,9-dimethyl 1,10-phenanthroline. <i>Journal of Biomolecular Structure and Dynamics</i> , 2017, 35, 300-311.	2.0	13
736	Synthesis and DNA binding study of imidazole linked thiazolidinone derivatives. <i>Luminescence</i> , 2017, 32, 104-113.	1.5	11
737	Synergistic interactions of nisin in combination with cinnamaldehyde against <i>Staphylococcus aureus</i> in pasteurized milk. <i>Food Control</i> , 2017, 71, 10-16.	2.8	80
738	<i>Staphylococcus aureus</i> methicillin resistance detected by HPLC-MS/MS targeted metabolic profiling. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2017, 1047, 124-130.	1.2	37
739	Basketing nanopalladium into calix[4]pyrrole as an efficient catalyst for Mizoroki-Heck reaction. <i>Arabian Journal of Chemistry</i> , 2017, 10, 1125-1135.	2.3	14
740	Biodegradable nitric oxide precursor-loaded micro- and nanoparticles for the treatment of <i>Staphylococcus aureus</i> biofilms. <i>Journal of Materials Chemistry B</i> , 2017, 5, 1005-1014.	2.9	25
741	Antimicrobial activity of some plant materials used in Armenian traditional medicine. <i>BMC Complementary and Alternative Medicine</i> , 2017, 17, 50.	3.7	57
742	The safe enterocin DD14 is a leaderless two-peptide bacteriocin with anti- <i>Clostridium perfringens</i> activity. <i>International Journal of Antimicrobial Agents</i> , 2017, 49, 282-289.	1.1	39
743	Comparative analysis of stability and biological activities of violacein and starch capped silver nanoparticles. <i>RSC Advances</i> , 2017, 7, 4468-4478.	1.7	13
744	Glycin-rich antimicrobial peptide YD1 from <i>B. amyloliquefaciens</i> , induced morphological alteration in and showed affinity for plasmid DNA of <i>E. coli</i> . <i>AMB Express</i> , 2017, 7, 8.	1.4	25
745	Evaluation of the antimicrobial activity of the mastoparan Polybia-MPII isolated from venom of the social wasp <i>Pseudopolybia vespiceps testacea</i> (Vespidae, Hymenoptera). <i>International Journal of Antimicrobial Agents</i> , 2017, 49, 167-175.	1.1	35

#	ARTICLE	IF	CITATIONS
746	The pygidial gland secretion of the forest caterpillar hunter, <i>Calosoma</i> (<i>Calosoma</i>) <i>sycophanta</i> : the antimicrobial properties against human pathogens. <i>Applied Microbiology and Biotechnology</i> , 2017, 101, 977-985.	1.7	14
747	Antioxidant activity and antimicrobial effect of tarragon (<i>Artemisia dracunculus</i>) extract and chemical composition of its essential oil. <i>Journal of Food Measurement and Characterization</i> , 2017, 11, 847-863.	1.6	104
748	Novel human bioactive peptides identified in Apolipoprotein B: Evaluation of their therapeutic potential. <i>Biochemical Pharmacology</i> , 2017, 130, 34-50.	2.0	64
749	In vivo instability of platensimycin and platencin: Synthesis and biological evaluation of urea- and carbamate-platensimycin. <i>Bioorganic and Medicinal Chemistry</i> , 2017, 25, 1990-1996.	1.4	19
750	Exploration of the Innate Immune System of <i>Styela clava</i> : Zn ²⁺ -Binding Enhances the Antimicrobial Activity of the Tunicate Peptide Clavanin A. <i>Biochemistry</i> , 2017, 56, 1403-1414.	1.2	28
751	<i>Biocide</i> , 2017, , 49-65.		7
752	Synthesis, characterization, crystal structure, DNA/BSA binding ability and antibacterial activity of asymmetric europium complex based on 1,10-phenanthroline. <i>Journal of Molecular Structure</i> , 2017, 1137, 771-783.	1.8	13
753	Competition and co-regulation of spirotoamide and tautomycin biosynthesis in <i>Streptomyces griseochromogenes</i> , and isolation and structural elucidation of spirotoamide C and D. <i>Journal of Antibiotics</i> , 2017, 70, 710-714.	1.0	2
754	Synthesis and anti-bacterial activity of a library of 1,2-benzisothiazol-3(2H)-one (BIT) derivatives amenable of crosslinking to polysaccharides. <i>Tetrahedron</i> , 2017, 73, 1745-1761.	1.0	16
755	Antimicrobial Peptide from <i>Bacillus</i> Strain K1R Exhibits Ameliorative Potential Against Vancomycin-Resistant <i>Enterococcus</i> Group of Organisms. <i>International Journal of Peptide Research and Therapeutics</i> , 2017, 23, 419-430.	0.9	2
756	Isolation and identification of indigenous prokaryotic bacteria from arsenic-contaminated water resources and their impact on arsenic transformation. <i>Ecotoxicology and Environmental Safety</i> , 2017, 140, 170-176.	2.9	37
757	Role of Aromatic and Negatively Charged Residues of DrrB in Multisubstrate Specificity Conferred by the DrrAB System of <i>Streptomyces peucetius</i> . <i>Biochemistry</i> , 2017, 56, 1921-1931.	1.2	14
758	In vitro evaluation of cytotoxicity, possible alteration of apoptotic regulatory proteins, and antibacterial activity of synthesized copper oxide nanoparticles. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 153, 320-326.	2.5	47
759	Integron-Associated DfrB4, a Previously Uncharacterized Member of the Trimethoprim-Resistant Dihydrofolate Reductase B Family, Is a Clinically Identified Emergent Source of Antibiotic Resistance. <i>Antimicrobial Agents and Chemotherapy</i> , 2017, 61, .	1.4	24
760	Antimicrobial textiles: Biogenic silver nanoparticles against <i>Candida</i> and <i>Xanthomonas</i> . <i>Materials Science and Engineering C</i> , 2017, 75, 582-589.	3.8	119
761	Phytosynthesis of silver nanoparticles using aqueous leaf extracts of <i>Lippia citriodora</i> : Antimicrobial, larvicidal and photocatalytic evaluations. <i>Materials Science and Engineering C</i> , 2017, 75, 980-989.	3.8	95
762	Designing Hybrid Antibiotic Peptide Conjugates To Cross Bacterial Membranes. <i>Bioconjugate Chemistry</i> , 2017, 28, 793-804.	1.8	23
763	Soil myxobacteria as a potential source of polyketide-peptide substances. <i>Folia Microbiologica</i> , 2017, 62, 305-315.	1.1	7

#	ARTICLE	IF	CITATIONS
764	Pharmacokinetics of Intrauterine Ciprofloxacin in the Mare and Establishment of Minimum Inhibitory Concentrations for Equine Uterine Bacterial Isolates. <i>Journal of Equine Veterinary Science</i> , 2017, 54, 54-59.	0.4	6
765	Synthetic Channel Specifically Inserts into the Lipid Bilayer of Gram-Positive Bacteria but not that of Mammalian Erythrocytes. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 2999-3003.	7.2	96
766	Functional expression and purification of recombinant Hcpidin25 production in <i>Escherichia coli</i> using SUMO fusion technology. <i>Gene</i> , 2017, 610, 112-117.	1.0	20
767	New Mouse Model for Chronic Infections by Gram-Negative Bacteria Enabling the Study of Anti-Infective Efficacy and Host-Microbe Interactions. <i>MBio</i> , 2017, 8, .	1.8	97
768	Evaluation of the Effect of Radiofrequency Radiation Emitted From Wi-Fi Router and Mobile Phone Simulator on the Antibacterial Susceptibility of Pathogenic Bacteria <i>Listeria monocytogenes</i> and <i>Escherichia coli</i> . <i>Dose-Response</i> , 2017, 15, 155932581668852.	0.7	42
769	Botanical survey, phytochemical investigation, and antibacterial activity of aqueous extract of <i>Enantia polycarpa</i> (DC) Engl. and Diels stem bark against methicillin resistant <i>Staphylococcus aureus</i> (MRSA). <i>Phytotherapie</i> , 2017, 15, 267-273.	0.1	2
770	Revealing the sequence of interactions of PuroA peptide with <i>Candida albicans</i> cells by live-cell imaging. <i>Scientific Reports</i> , 2017, 7, 43542.	1.6	21
771	Synthetic Channel Specifically Inserts into the Lipid Bilayer of Gram-Positive Bacteria but not that of Mammalian Erythrocytes. <i>Angewandte Chemie</i> , 2017, 129, 3045-3049.	1.6	26
772	Bifunctional viscous nanovesicles co-loaded with resveratrol and gallic acid for skin protection against microbial and oxidative injuries. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2017, 114, 278-287.	2.0	51
773	Optimizing novel penetration enhancing hybridized vesicles for augmenting the <i>in-vivo</i> effect of an anti-glaucoma drug. <i>Drug Delivery</i> , 2017, 24, 99-108.	2.5	57
774	Synthesis, crystallographic and spectroscopic studies, evaluation as antimicrobial and cytotoxic agents of a novel mixed-ligand nickel(II) complex. <i>Journal of Coordination Chemistry</i> , 2017, 70, 1406-1423.	0.8	24
775	Antibacterial Mechanism of Octamethylene-1,8-Bis(Dodecyldimethylammonium Bromide) Against <i>E. coli</i> . <i>Journal of Surfactants and Detergents</i> , 2017, 20, 717-723.	1.0	10
776	A Topical Hydrogel with Deferiprone and Gallium-Protoporphyrin Targets Bacterial Iron Metabolism and Has Antibiofilm Activity. <i>Antimicrobial Agents and Chemotherapy</i> , 2017, 61, .	1.4	58
777	Role of nutrients in bacterial biosurfactant production and effect of biosurfactant production on petroleum hydrocarbon biodegradation. <i>Ecological Engineering</i> , 2017, 104, 158-164.	1.6	76
778	Analysis of Synergistic Effects of Antimicrobial Peptide Arenicin-1 and Conventional Antibiotics. <i>Bulletin of Experimental Biology and Medicine</i> , 2017, 162, 765-768.	0.3	14
779	Purification and structural elucidation of three bioactive compounds isolated from <i>Streptomyces coelicoflavus</i> BC 01 and their biological activity. <i>3 Biotech</i> , 2017, 7, 24.	1.1	24
780	Komodo dragon-inspired synthetic peptide DRGN-1 promotes wound-healing of a mixed-biofilm infected wound. <i>Npj Biofilms and Microbiomes</i> , 2017, 3, 9.	2.9	78
781	Monocatenary histidine-based surfactants: Role of the alkyl chain length in antimicrobial activity and their selectivity over red blood cells. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017, 532, 501-509.	2.3	29

#	ARTICLE	IF	CITATIONS
782	Engineering C, 2017, 77, 624-629.	3.8	2
783	Synergistic Efficacy of <i>Aedes aegypti</i> Antimicrobial Peptide Cecropin A2 and Tetracycline against <i>Pseudomonas aeruginosa</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2017, 61, .	1.4	56
784	Antimycotic activity of fengycin C biosurfactant and its interaction with phosphatidylcholine model membranes. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 156, 114-122.	2.5	48
785	Synthesis, spectroscopic characterization, biological activity and theoretical studies of (E)-N3-(2-chlorobenzylidene)-H-1,2,4-triazole-3,5-diamine. <i>Journal of Molecular Structure</i> , 2017, 1144, 324-337.	1.8	12
786	A short artificial antimicrobial peptide shows potential to prevent or treat bone infections. <i>Scientific Reports</i> , 2017, 7, 1506.	1.6	28
787	Antibacterial mechanism of high-mobility group nucleosomal-binding domain 2 on the Gram-negative bacteria <i>Escherichia coli</i> . <i>Journal of Zhejiang University: Science B</i> , 2017, 18, 410-420.	1.3	7
788	In Vitro Characterization of <i>Lactobacillus plantarum</i> Strains with Inhibitory Activity on Enteropathogens for Use as Potential Animal Probiotics. <i>Indian Journal of Microbiology</i> , 2017, 57, 201-210.	1.5	13
789	Characterization of the Polymyxin D Synthetase Biosynthetic Cluster and Product Profile of <i>Paenibacillus polymyxa</i> ATCC 10401. <i>Journal of Natural Products</i> , 2017, 80, 1264-1274.	1.5	27
790	Synergistic antimicrobial therapy using nanoparticles and antibiotics for the treatment of multidrug-resistant bacterial infection. <i>Nano Futures</i> , 2017, 1, 015004.	1.0	75
791	Biosynthesis of silver nanoparticles using <i>Myristica fragrans</i> seed (nutmeg) extract and its antibacterial activity against multidrug-resistant (MDR) <i>Salmonella enterica</i> serovar Typhi isolates. <i>Environmental Science and Pollution Research</i> , 2017, 24, 14758-14769.	2.7	35
792	Evidence of antibiotic resistance in Enterobacteriales isolated from green sea turtles, <i>Chelonia mydas</i> on the Great Barrier Reef. <i>Marine Pollution Bulletin</i> , 2017, 120, 18-27.	2.3	41
793	Structural analysis and antimicrobial activity of 2[1H]-pyrimidinethione/selenone derivatives. <i>Journal of Molecular Structure</i> , 2017, 1142, 261-266.	1.8	19
794	Novel O-Alkylated Chromones as Antimicrobial Agents: Ultrasound Mediated Synthesis, Molecular Docking and ADME Prediction. <i>Journal of Heterocyclic Chemistry</i> , 2017, 54, 2678-2685.	1.4	18
795	A new cryptic host defense peptide identified in human 11-hydroxysteroid dehydrogenase-1 like: from in silico identification to experimental evidence. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2017, 1861, 2342-2353.	1.1	26
796	Physicochemical and antimicrobial properties of μ -polylysine/carboxymethyl chitosan polyelectrolyte complexes and their effect against spoilage microorganisms in raw pork. <i>Food and Function</i> , 2017, 8, 2243-2248.	2.1	8
797	A new rapid resazurin-based microdilution assay for antimicrobial susceptibility testing of <i>Neisseria gonorrhoeae</i> . <i>Journal of Antimicrobial Chemotherapy</i> , 2017, 72, 1961-1968.	1.3	32
798	The effect of emodin on <i>Staphylococcus aureus</i> strains in planktonic form and biofilm formation in vitro. <i>Archives of Microbiology</i> , 2017, 199, 1267-1275.	1.0	63
799	Rapid susceptibility profiling of carbapenem-resistant <i>Klebsiella pneumoniae</i> . <i>Scientific Reports</i> , 2017, 7, 1903.	1.6	39

#	ARTICLE	IF	CITATIONS
800	Convenient Synthesis and Biological Activity of Mono and Diacyl 2,5-Dimercapto-1,3,4-thiadiazole Derivatives. <i>Journal of Heterocyclic Chemistry</i> , 2017, 54, 3241-3249.	1.4	3
801	An Experimental Framework for Quantifying Bacterial Tolerance. <i>Biophysical Journal</i> , 2017, 112, 2664-2671.	0.2	89
802	Neoclerodane Diterpenoids from Reehal Fatima, <i>Teucrium yemense</i> . <i>Journal of Natural Products</i> , 2017, 80, 1900-1908.	1.5	24
803	Correcting a Fundamental Flaw in the Paradigm for Antimicrobial Susceptibility Testing. <i>EBioMedicine</i> , 2017, 20, 173-181.	2.7	152
804	Diagnostic Bacteriology. <i>Methods in Molecular Biology</i> , 2017, , .	0.4	3
805	Eucalyptus spp. outer bark extracts inhibit <i>Helicobacter pylori</i> growth: in vitro studies. <i>Industrial Crops and Products</i> , 2017, 105, 207-214.	2.5	13
806	Purification of leucocin A for use on wieners to inhibit <i>Listeria monocytogenes</i> in the presence of spoilage organisms. <i>International Journal of Food Microbiology</i> , 2017, 255, 25-31.	2.1	33
807	Exploration of Biogenic Nano-chemobiotics Fabricated by Silver Nanoparticle and Galactoxyloglucan with an Efficient Biodistribution in Solid Tumor Investigated by SERS Fingerprinting. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 19578-19590.	4.0	28
808	An Immunomodulatory Peptide Confers Protection in an Experimental Candidemia Murine Model. <i>Antimicrobial Agents and Chemotherapy</i> , 2017, 61, .	1.4	22
809	Clathrin-Independent Killing of Intracellular Mycobacteria and Biofilm Disruptions Using Synthetic Antimicrobial Polymers. <i>Biomacromolecules</i> , 2017, 18, 2024-2033.	2.6	36
810	Synthesis and investigation of antimicrobial activities of nitrofurazone analogues containing hydrazide-hydrazone moiety. <i>Saudi Pharmaceutical Journal</i> , 2017, 25, 1097-1102.	1.2	37
811	Clinical Pharmacokinetics and Pharmacodynamics of Colistin. <i>Clinical Pharmacokinetics</i> , 2017, 56, 1441-1460.	1.6	116
812	Rapid Antibiotic Susceptibility Testing for Urinary Tract Infections. <i>Methods in Molecular Biology</i> , 2017, 1616, 147-153.	0.4	1
813	Comparison of seven structurally related coumarins on the inhibition of Quorum sensing of <i>Pseudomonas aeruginosa</i> and <i>Chromobacterium violaceum</i> . <i>Bioorganic Chemistry</i> , 2017, 73, 37-42.	2.0	56
814	A precise and accurate microfluidic droplet dilutor. <i>Analyst</i> , The, 2017, 142, 2901-2911.	1.7	19
815	Effect of O-acetylation of O antigen of <i>Escherichia coli</i> lipopolysaccharide on the nonspecific barrier function of the outer membrane. <i>Microbiology</i> , 2017, 86, 310-316.	0.5	10
816	Synthesis and characterization of polyoxometalate-based silver (Ag) phenylethyne compounds with antibacterial and antifungal activities. <i>CrystEngComm</i> , 2017, 19, 3445-3454.	1.3	13
817	Increased activity of colistin in combination with amikacin against <i>Escherichia coli</i> co-producing NDM-5 and MCR-1. <i>Journal of Antimicrobial Chemotherapy</i> , 2017, 72, 1723-1730.	1.3	42

#	ARTICLE	IF	CITATIONS
818	Two new compounds from a marine-derived <i>Streptomyces</i> sp.. Journal of Asian Natural Products Research, 2017, 19, 1172-1176.	0.7	5
819	Composition and antimicrobial activity of <i>Cistus munbyi</i> essential oil: an endemic plant from Algeria. Journal of Forestry Research, 2017, 28, 1129-1134.	1.7	5
820	Modulating short tryptophan- and arginine-rich peptides activity by substitution with histidine. Biochimica Et Biophysica Acta - General Subjects, 2017, 1861, 1844-1854.	1.1	31
821	Rational Design of New Antimicrobial Peptides Targeting Gram Negative Bacteria. Biophysical Journal, 2017, 112, 386a.	0.2	1
822	Phosphoethanolamine addition to the Heptose I of the Lipopolysaccharide modifies the inner core structure and has an impact on the binding of Polymyxin B to the Escherichia coli outer membrane. Archives of Biochemistry and Biophysics, 2017, 620, 28-34.	1.4	21
823	[Au(py b -H)(mnt)]: A novel gold(III) 1,2-dithiolene cyclometalated complex with antimicrobial activity (py b -H = C-deprotonated 2-benzylpyridine; mnt = 1,2-dicyanoethene-1,2-dithiolate). Journal of Inorganic Biochemistry, 2017, 170, 188-194.	1.5	21
824	Silver nanoparticle and lysozyme/tannic acid layer-by-layer assembly antimicrobial multilayer on magnetic nanoparticle by an eco-friendly route. Materials Science and Engineering C, 2017, 76, 886-896.	3.8	32
825	Susceptibility of <i>Salmonella enterica</i> Isolates from Tomato Farm Environments to Fatty Acids Naturally Found on Tomato Fruit. Foodborne Pathogens and Disease, 2017, 14, 293-301.	0.8	15
826	Poly(hexamethylene guanidine) based hydrogels with long lasting antimicrobial activity and low toxicity. Journal of Polymer Science Part A, 2017, 55, 2027-2035.	2.5	29
827	Postmetalated Zirconium Metal Organic Frameworks as a Highly Potent Bactericide. Inorganic Chemistry, 2017, 56, 4739-4744.	1.9	43
828	Antimicrobial peptide cWFW kills by combining lipid phase separation with autolysis. Scientific Reports, 2017, 7, 44332.	1.6	98
829	<i>Thymbra capitata</i> essential oil as potential therapeutic agent against <i>Gardnerella vaginalis</i> biofilm-related infections. Future Microbiology, 2017, 12, 407-416.	1.0	23
830	An Acyl-Linked Dimer of Daptomycin Is Strongly Inhibited by the Bacterial Cell Wall. ACS Infectious Diseases, 2017, 3, 462-466.	1.8	5
831	In vitro antibacterial activity of MGDG-palmitoyl from <i>Oscillatoria acuminata</i> NTAPC05 against extended-spectrum β -lactamase producers. Journal of Antibiotics, 2017, 70, 754-762.	1.0	26
832	Rifamorpholines A α E, potential antibiotics from locust-associated actinobacteria <i>Amycolatopsis</i> sp. Hca4. Organic and Biomolecular Chemistry, 2017, 15, 3909-3916.	1.5	48
833	In vitro enhancement of antibiotic susceptibility of drug resistant <i>Escherichia coli</i> by cinnamaldehyde. Food Control, 2017, 79, 288-291.	2.8	19
834	ROS mediated high anti-bacterial efficacy of strain tolerant layered phase pure nano-calcium hydroxide. Journal of the Mechanical Behavior of Biomedical Materials, 2017, 72, 110-128.	1.5	32
835	Barium Hexaferrite Magnetic Fluid: Preparation, Characterization and the In Vitro Identification of Cytotoxicity and Antibacterial Activity. Journal of Inorganic and Organometallic Polymers and Materials, 2017, 27, 818-826.	1.9	5

#	ARTICLE	IF	CITATIONS
836	Dual-Functional Polyethylene Glycol- <i>b</i> -polyhexanide Surface Coating with in Vitro and in Vivo Antimicrobial and Antifouling Activities. ACS Applied Materials & Interfaces, 2017, 9, 10383-10397.	4.0	142
837	Development of Engineered Bacteriophages for <i>Escherichia coli</i> Detection and High-Throughput Antibiotic Resistance Determination. ACS Sensors, 2017, 2, 484-489.	4.0	38
838	Antimicrobial peptide gramicidin S is accumulated in granules of producer cells for storage of bacterial phosphagens. Scientific Reports, 2017, 7, 44324.	1.6	16
839	Rubber elastomeric nanocomposites with antimicrobial properties. Materials Science and Engineering C, 2017, 76, 269-277.	3.8	11
840	Arbutin and its metabolite hydroquinone as the main factors in the antimicrobial effect of strawberry tree (<i>Arbutus unedo</i> L.) leaves. Journal of Herbal Medicine, 2017, 8, 17-23.	1.0	62
841	In vivo characterization of an Hfq protein encoded by the <i>Bacillus anthracis</i> virulence plasmid pXO1. BMC Microbiology, 2017, 17, 63.	1.3	9
842	Antimicrobial activity and interactions of cationic peptides derived from <i>Galleria mellonella</i> cecropin D-like peptide with model membranes. Journal of Antibiotics, 2017, 70, 238-245.	1.0	40
843	A Carbocyclic Curcumin Inhibits Proliferation of Gram-Positive Bacteria by Targeting FtsZ. Biochemistry, 2017, 56, 514-524.	1.2	25
844	Chiral Nanoparticle as a New Efficient Antimicrobial Nanoagent. Advanced Healthcare Materials, 2017, 6, 1601011.	3.9	81
845	Antimicrobial Peptides: An Introduction. Methods in Molecular Biology, 2017, 1548, 3-22.	0.4	197
846	Collagen tethering of synthetic human antimicrobial peptides cathelicidin LL37 and its effects on antimicrobial activity and cytotoxicity. Acta Biomaterialia, 2017, 52, 9-20.	4.1	33
847	Syntheses and antibacterial activity of soluble 9-bromo substituted indolizinoquinoline-5,12-dione derivatives. European Journal of Medicinal Chemistry, 2017, 127, 166-173.	2.6	16
848	A facile semi-synthetic approach towards halogen-substituted aminobenzoic acid analogues of platensimycin. Tetrahedron, 2017, 73, 771-775.	1.0	11
849	A new diphenyl ether derivative from <i>Mirabilis himalaica</i> . Natural Product Research, 2017, 31, 1034-1041.	1.0	9
850	Antibacterial Effect of Synthetic Peptide LyeTxI and LyeTxI/ ² -Cyclodextrin Association Compound Against Planktonic and Multispecies Biofilms of Periodontal Pathogens. Journal of Periodontology, 2017, 88, e88-e96.	1.7	13
851	Chilean berry <i>Ugni molinae</i> Turcz. fruit and leaves extracts with interesting antioxidant, antimicrobial and tyrosinase inhibitory properties. Food Research International, 2017, 102, 119-128.	2.9	34
852	A unimolecular channel formed by dual helical peptide modified pillar[5]arene: correlating transmembrane transport properties with antimicrobial activity and haemolytic toxicity. Chemical Communications, 2017, 53, 11492-11495.	2.2	20
853	Unique Features of <i>Aeromonas</i> Plasmid pAC3 and Expression of the Plasmid-Mediated Quinolone Resistance Genes. MSphere, 2017, 2, .	1.3	5

#	ARTICLE	IF	CITATIONS
854	Phytochemical screening and in vitro evaluation of antioxidant and antimicrobial activities of <i>Kedrostis africana</i> (L.) Cogn. <i>Asian Pacific Journal of Tropical Biomedicine</i> , 2017, 7, 901-908.	0.5	37
855	<i>Klebsiella pneumoniae</i> antibiotic resistance identified by atomic force microscopy. <i>Journal of Biosciences</i> , 2017, 42, 623-636.	0.5	9
856	Molecular mechanism of synergy between the antimicrobial peptides PGLa and magainin 2. <i>Scientific Reports</i> , 2017, 7, 13153.	1.6	84
857	Nanowire sensors monitor bacterial growth kinetics and response to antibiotics. <i>Lab on A Chip</i> , 2017, 17, 4283-4293.	3.1	47
858	Synthesis of bicyclic tripeptides inspired by the ABC-ring system of vancomycin through ruthenium-based cyclization chemistries. <i>Tetrahedron Letters</i> , 2017, 58, 4542-4546.	0.7	12
859	Bioactive and biocontrol potential of endophytic fungi associated with <i>Brugmansia aurea</i> Lagerh. <i>FEMS Microbiology Letters</i> , 2017, 364, .	0.7	18
860	Repurposing Hsp90 inhibitors as antibiotics targeting histidine kinases. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2017, 27, 5235-5244.	1.0	18
861	Rapid synthesis of gold nanoparticles using silk fibroin: characterization, antibacterial activity, and anticancer properties. <i>Gold Bulletin</i> , 2017, 50, 289-297.	1.1	36
862	Biocontrol activity of <i>Bacillus subtilis</i> EA-CB0015 cells and lipopeptides against postharvest fungal pathogens. <i>Biological Control</i> , 2017, 114, 195-200.	1.4	67
863	Cultivation in Space Flight Produces Minimal Alterations in the Susceptibility of <i>Bacillus subtilis</i> Cells to 72 Different Antibiotics and Growth-Inhibiting Compounds. <i>Applied and Environmental Microbiology</i> , 2017, 83, .	1.4	17
864	Computational approaches to the in vitro antibacterial activity of <i>Allium hirtifolium</i> Boiss against gentamicin-resistant <i>Escherichia coli</i> : focus on ribosome recycling factor. <i>In Silico Pharmacology</i> , 2017, 5, 7.	1.8	5
865	Temperature/pH-Sensitive Nanoantibiotics and Their Sequential Assembly for Optimal Collaborations between Antibacterial and Immunoregulation. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 31589-31599.	4.0	20
866	A Highly Potent Antibacterial Agent Targeting Methicillin-Resistant <i>Staphylococcus aureus</i> Based on Cobalt Bis(1,2-Dicarbollide) Alkoxy Derivative. <i>Organometallics</i> , 2017, 36, 3484-3490.	1.1	50
867	Lactam-Stapled Cell-Penetrating Peptides: Cell Uptake and Membrane Binding Properties. <i>Journal of Medicinal Chemistry</i> , 2017, 60, 8071-8082.	2.9	38
868	Integrated microfluidic platform for rapid antimicrobial susceptibility testing and bacterial growth analysis using bead-based biosensor via fluorescence imaging. <i>Mikrochimica Acta</i> , 2017, 184, 4619-4628.	2.5	43
869	Testing cathelicidin susceptibility of bacterial mastitis isolates: Technical challenges and data output for clinical isolates. <i>Veterinary Microbiology</i> , 2017, 210, 107-115.	0.8	8
870	Isolation of the antibiotic methyl (R,E)-3-(1-hydroxy-4-oxocyclopent-2-en-1-yl)-acrylate EA-2801 from <i>Trichoderma atroviridae</i> . <i>Journal of Antibiotics</i> , 2017, 70, 1053-1056.	1.0	7
871	Glucuronoxylan-mediated silver nanoparticles: green synthesis, antimicrobial and wound healing applications. <i>RSC Advances</i> , 2017, 7, 42900-42908.	1.7	34

#	ARTICLE	IF	CITATIONS
872	Nuclease activity gives an edge to host defense peptide piscidin 3 over piscidin 1, rendering it more effective against persisters and biofilms. <i>FEBS Journal</i> , 2017, 284, 3662-3683.	2.2	86
873	Effects of monochloramine and hydrogen peroxide on the bacterial community shifts in biologically treated wastewater. <i>Chemosphere</i> , 2017, 189, 399-406.	4.2	21
874	Structure elucidation and in silico docking studies of a novel furopyrimidine antibiotics synthesized by endolithic bacterium <i>Actinomadura</i> sp. AL2. <i>World Journal of Microbiology and Biotechnology</i> , 2017, 33, 178.	1.7	12
875	Using Engineered Bacteria to Characterize Infection Dynamics and Antibiotic Effects In Vivo. <i>Cell Host and Microbe</i> , 2017, 22, 263-268.e4.	5.1	36
876	Vitamin B12 as a carrier of peptide nucleic acid (PNA) into bacterial cells. <i>Scientific Reports</i> , 2017, 7, 7644.	1.6	59
877	Transcriptional and Mutational Profiling of an Aminoglycoside-Resistant <i>Pseudomonas aeruginosa</i> Small-Colony Variant. <i>Antimicrobial Agents and Chemotherapy</i> , 2017, 61, .	1.4	19
878	Identification of bacterial biofilm and the <i>Staphylococcus aureus</i> derived protease, staphopain, on the skin surface of patients with atopic dermatitis. <i>Scientific Reports</i> , 2017, 7, 8689.	1.6	70
879	Biomimetically synthesized ZnO nanoparticles attain potent antibacterial activity against less susceptible <i>S. aureus</i> skin infection in experimental animals. <i>RSC Advances</i> , 2017, 7, 36361-36373.	1.7	101
880	Role of <i>sapA</i> and <i>yfgA</i> in Susceptibility to Antibody-Mediated Complement-Dependent Killing and Virulence of <i>Salmonella enterica</i> Serovar Typhimurium. <i>Infection and Immunity</i> , 2017, 85, .	1.0	1
881	The antifungal activity of the peptide, periplanetasin-2, derived from American cockroach <i>Periplaneta americana</i> . <i>Biochemical Journal</i> , 2017, 474, 3027-3043.	1.7	30
882	Localization of a defensive volatile 4-hydroxy-4-methylpentan-2-one in the capitata glandular trichomes of <i>Oenothera glazioviana</i> . <i>Plant Diversity</i> , 2017, 39, 154-159.	1.8	3
883	Atomic force microscopy study of morphological modifications induced by different decontamination treatments on <i>Escherichia coli</i> . <i>Ultramicroscopy</i> , 2017, 182, 226-232.	0.8	7
884	Rapid Antibiotic Susceptibility Testing of Uropathogenic <i>E. coli</i> by Tracking Submicron Scale Motion of Single Bacterial Cells. <i>ACS Sensors</i> , 2017, 2, 1231-1239.	4.0	33
885	Preservation of protein expression systems at elevated temperatures for portable therapeutic production. <i>Journal of the Royal Society Interface</i> , 2017, 14, 20161039.	1.5	52
886	Hydrophilic Phage-Mimicking Membrane Active Antimicrobials Reveal Nanostructure-Dependent Activity and Selectivity. <i>ACS Infectious Diseases</i> , 2017, 3, 676-687.	1.8	35
887	Complete Assignment of NMR Data of Alterporriol I. <i>Chemistry of Natural Compounds</i> , 2017, 53, 653-657.	0.2	3
888	TIBLE: a web-based, freely accessible resource for small-molecule binding data for mycobacterial species. <i>Database: the Journal of Biological Databases and Curation</i> , 2017, 2017, .	1.4	5
889	Comparative metabolomics revealing <i>Staphylococcus aureus</i> metabolic response to different antibiotics. <i>Microbial Biotechnology</i> , 2017, 10, 1764-1774.	2.0	50

#	ARTICLE	IF	CITATIONS
890	A novel secretion and online-cleavage strategy for production of cecropin A in <i>Escherichia coli</i> . <i>Scientific Reports</i> , 2017, 7, 7368.	1.6	14
891	Structure of Chorismate Mutase-like Domain of DAHPS from <i>Bacillus subtilis</i> Complexed with Novel Inhibitor Reveals Conformational Plasticity of Active Site. <i>Scientific Reports</i> , 2017, 7, 6364.	1.6	12
892	The first example of bis(indolyl)methane based hyperbranched polyurethanes: Synthesis, solar cell application and anti-bacterial and anti-oxidant properties. <i>European Polymer Journal</i> , 2017, 95, 216-231.	2.6	22
893	Graphene oxide loaded with copper oxide nanoparticles as an antibacterial agent against <i>Pseudomonas syringae</i> pv. tomato. <i>RSC Advances</i> , 2017, 7, 38853-38860.	1.7	83
894	The rumen microbiome: an underexplored resource for novel antimicrobial discovery. <i>Npj Biofilms and Microbiomes</i> , 2017, 3, 33.	2.9	51
895	Both genome and cytosol dynamics change in <i>E. coli</i> challenged with sublethal rifampicin. <i>Physical Biology</i> , 2017, 14, 015005.	0.8	8
896	Antimicrobial activity of the indolicidin-derived novel synthetic peptide In58. <i>Journal of Peptide Science</i> , 2017, 23, 855-863.	0.8	21
897	Antimicrobial and antioxidant properties of the flavonoid extract from <i>Raphanus sativus</i> L.. AIP Conference Proceedings, 2017, . .	0.3	3
898	Tyrocidine A Analogues Bearing the Planar Phe-2-Abz Turn Motif: How Conformation Impacts Bioactivity. <i>Journal of Medicinal Chemistry</i> , 2017, 60, 9565-9574.	2.9	13
899	The Immunomodulatory Drug Glatiramer Acetate is Also an Effective Antimicrobial Agent that Kills Gram-negative Bacteria. <i>Scientific Reports</i> , 2017, 7, 15653.	1.6	25
901	The multiple antibiotic resistance operon of enteric bacteria controls DNA repair and outer membrane integrity. <i>Nature Communications</i> , 2017, 8, 1444.	5.8	89
902	Chemical Interaction among Termite-Associated Microbes. <i>Journal of Chemical Ecology</i> , 2017, 43, 1078-1085.	0.9	21
903	Associations among Antibiotic and Phage Resistance Phenotypes in Natural and Clinical <i>Escherichia coli</i> Isolates. <i>MBio</i> , 2017, 8, .	1.8	37
904	Characterization and evaluation of antimicrobial activity of actinonin against foodborne pathogens. <i>Food Science and Biotechnology</i> , 2017, 26, 1649-1657.	1.2	6
905	Investigating the Interaction of Octapeptin A3 with Model Bacterial Membranes. <i>ACS Infectious Diseases</i> , 2017, 3, 606-619.	1.8	25
906	Modifications in the pmrB gene are the primary mechanism for the development of chromosomally encoded resistance to polymyxins in uropathogenic <i>Escherichia coli</i> . <i>Journal of Antimicrobial Chemotherapy</i> , 2017, 72, 2729-2736.	1.3	41
907	Synthesis, antimicrobial activity and anti-biofilm activity of novel tetrazole derivatives. <i>Heterocyclic Communications</i> , 2017, 23, 325-330.	0.6	16
908	<i>Sageretia thea</i> (Osbeck.) mediated synthesis of zinc oxide nanoparticles and its biological applications. <i>Nanomedicine</i> , 2017, 12, 1767-1789.	1.7	133

#	ARTICLE	IF	CITATIONS
909	Phytochemical study of <i>Illicium angustisepalum</i> and its biological activities. <i>Acta Pharmaceutica Sinica B</i> , 2017, 7, 485-490.	5.7	5
910	Ciprofloxacin-nitroxide hybrids with potential for biofilm control. <i>European Journal of Medicinal Chemistry</i> , 2017, 138, 590-601.	2.6	38
911	Controllable synthesis Fe ₃ O ₄ @POHABA core-shell nanostructure as high-performance recyclable bifunctional magnetic antimicrobial agent. <i>Environmental Science and Pollution Research</i> , 2017, 24, 19011-19020.	2.7	6
912	Bio-inspired peptide decorated dendrimers for a robust antibacterial coating on hydroxyapatite. <i>Polymer Chemistry</i> , 2017, 8, 4264-4279.	1.9	31
913	Interspecies transfer of vancomycin, erythromycin and tetracycline resistance among <i>Enterococcus</i> species recovered from agrarian sources. <i>BMC Microbiology</i> , 2017, 17, 19.	1.3	25
914	Morintides: cargo-free chitin-binding peptides from <i>Moringa oleifera</i> . <i>BMC Plant Biology</i> , 2017, 17, 68.	1.6	33
915	A scalable metabolite supplementation strategy against antibiotic resistant pathogen <i>Chromobacterium violaceum</i> induced by NAD ⁺ /NADH ⁺ imbalance. <i>BMC Systems Biology</i> , 2017, 11, 51.	3.0	19
916	Ultrasound-Mediated Synthesis of Novel 1,2,3-Triazole-Based Pyrazole and Pyrimidine Derivatives as Antimicrobial Agents. <i>Journal of Heterocyclic Chemistry</i> , 2017, 54, 3195-3201.	1.4	22
917	Synthesis, spectroscopic characterization, DFT calculations and biological evaluation of benzothiazole derivative bearing Mn(II) and Ni(II) metal ions. <i>Journal of Molecular Structure</i> , 2017, 1147, 167-176.	1.8	1
918	Antibacterial, Anticancer and Neuroprotective Activities of Rare Actinobacteria from Mangrove Forest Soils. <i>Indian Journal of Microbiology</i> , 2017, 57, 177-187.	1.5	67
919	Penicillin-Binding Protein 3 Is Essential for Growth of <i>Pseudomonas aeruginosa</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2017, 61, .	1.4	36
920	CyLoP-1: Membrane-active peptide with cell-penetrating and antimicrobial properties. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2017, 1859, 167-176.	1.4	49
921	Influence of pretreatment and modifiers on subcritical water liquefaction of spent coffee grounds: A green waste valorization approach. <i>Journal of Cleaner Production</i> , 2017, 142, 3719-3727.	4.6	102
922	Synthesis, spectral characterization, DFT calculations, antimicrobial activity and molecular docking of 4-bromo-2-((2-hydroxy-5-methylphenylimino)methyl)phenol and its V(V) complex. <i>Inorganica Chimica Acta</i> , 2017, 455, 173-182.	1.2	29
923	Bacteria transfer by deformation through microfiltration membrane. <i>Journal of Membrane Science</i> , 2017, 523, 446-455.	4.1	56
924	LadS is a calcium-responsive kinase that induces acute-to-chronic virulence switch in <i>Pseudomonas aeruginosa</i> . <i>Nature Microbiology</i> , 2017, 2, 16184.	5.9	94
925	<i>Staphylococcus aureus</i> inactivates daptomycin by releasing membrane phospholipids. <i>Nature Microbiology</i> , 2017, 2, 16194.	5.9	116
926	Antimicrobial peptide isolated from <i>Bacillus amyloliquefaciens</i> K14 revitalizes its use in combinatorial drug therapy. <i>Folia Microbiologica</i> , 2017, 62, 127-138.	1.1	29

#	ARTICLE	IF	CITATIONS
927	Evaluation DNA-/BSA-binding properties of a new europium complex containing 2,9-dimethyl-1,10-phenanthroline. <i>Journal of Biomolecular Structure and Dynamics</i> , 2017, 35, 1518-1528.	2.0	8
928	Novel Thionins from Black Seed (<i>Nigella sativa</i> L.) Demonstrate Antimicrobial Activity. <i>International Journal of Peptide Research and Therapeutics</i> , 2017, 23, 171-180.	0.9	17
929	Germicidins Hâ€ƒ) from <i>Streptomyces</i> sp. CB00361. <i>Journal of Antibiotics</i> , 2017, 70, 200-203.	1.0	11
930	Purification of a Novel Bacteriocin-Like Inhibitory Substance Produced by <i>Enterococcus faecium</i> ICIS 8 and Characterization of Its Mode of Action. <i>Microbial Drug Resistance</i> , 2017, 23, 447-456.	0.9	5
931	Modulating the Antimicrobial Activity of Temporin L Through Introduction of Fluorinated Phenylalanine. <i>International Journal of Peptide Research and Therapeutics</i> , 2017, 23, 213-225.	0.9	13
932	Biosynthesis, characterization, and antimicrobial effect of silver nanoparticles obtained using <i>Lavandula Å— intermedia</i> . <i>Research on Chemical Intermediates</i> , 2017, 43, 1383-1394.	1.3	28
933	Design, synthesis and DNA-binding study of some novel morpholine linked thiazolidinone derivatives. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 173, 270-278.	2.0	42
934	Antimicrobial peptide exposure selects for <i>Staphylococcus aureus</i> resistance to human defence peptides. <i>Journal of Antimicrobial Chemotherapy</i> , 2017, 72, 115-127.	1.3	74
935	Biosynthesis, Electrochemical, Antimicrobial and Antioxidant Studies of Silver Nanoparticles Mediated by <i>Talinum triangulare</i> Aqueous Leaf Extract. <i>Journal of Cluster Science</i> , 2017, 28, 309-330.	1.7	22
936	New isofuranonaphthoquinones and isoindolequinones from <i>Streptomyces</i> sp. CB01883. <i>Journal of Antibiotics</i> , 2017, 70, 414-422.	1.0	7
937	Inhibitory effect of cinnamaldehyde alone and in combination with thymol, eugenol and thymoquinone against <i>Staphylococcus epidermidis</i> . <i>Journal of Herbal Medicine</i> , 2017, 9, 68-73.	1.0	16
938	Thermally triggered release of the bacteriophage endolysin CHAPK and the bacteriocin lysostaphin for the control of methicillin resistant <i>Staphylococcus aureus</i> (MRSA). <i>Journal of Controlled Release</i> , 2017, 245, 108-115.	4.8	65
939	A novel interpretation of the Fractional Inhibitory Concentration Index: The case <i>Origanum vulgare</i> L. and <i>Leptospermum scoparium</i> J. R. et G. Forst essential oils against <i>Staphylococcus aureus</i> strains. <i>Microbiological Research</i> , 2017, 195, 11-17.	2.5	101
940	Interaction between the plant ApDef1 defensin and <i>Saccharomyces cerevisiae</i> results in yeast death through a cell cycle- and caspase-dependent process occurring via uncontrolled oxidative stress. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2017, 1861, 3429-3443.	1.1	43
941	Characterization of Antimicrobial Peptides Isolated from the Processing by-Products of African Catfish <i>Clarias gariepinus</i> . <i>International Journal of Peptide Research and Therapeutics</i> , 2017, 23, 227-233.	0.9	6
942	Direct modulation of T-box riboswitch-controlled transcription by protein synthesis inhibitors. <i>Nucleic Acids Research</i> , 2017, 45, 10242-10258.	6.5	21
943	CRISPR/Cas9-based genome editing for simultaneous interference with gene expression and protein stability. <i>Nucleic Acids Research</i> , 2017, 45, e171-e171.	6.5	15
944	Improved micropropagation of <i>Bacopa monnieri</i> (L.) Wettst. (Plantaginaceae) and antimicrobial activity of in vitro and ex vitro raised plants against multidrug-resistant clinical isolates of urinary tract infecting (UTI) and respiratory tract infecting (RTI) bacteria. <i>Clinical Phytoscience</i> , 2017, 3, .	0.8	18

#	ARTICLE	IF	CITATIONS
945	Antibiotic-resistant bacteria in the guts of insects feeding on plants: prospects for discovering plant-derived antibiotics. <i>BMC Microbiology</i> , 2017, 17, 223.	1.3	24
946	Polarity based characterization of biologically active extracts of <i>Ajuga bracteosa</i> Wall. ex Benth. and RP-HPLC analysis. <i>BMC Complementary and Alternative Medicine</i> , 2017, 17, 443.	3.7	61
947	Klebsazolicin inhibits 70S ribosome by obstructing the peptide exit tunnel. <i>Nature Chemical Biology</i> , 2017, 13, 1129-1136.	3.9	50
948	7. References. , 2017, , 135-150.		0
949	<i>Syringa oblata</i> Lindl. Aqueous Extract Is a Potential Biofilm Inhibitor in <i>S. suis</i> . <i>Frontiers in Pharmacology</i> , 2017, 8, 26.	1.6	17
950	Negatively charged silver nanoparticles with potent antibacterial activity and reduced toxicity for pharmaceutical preparations. <i>International Journal of Nanomedicine</i> , 2017, Volume 12, 2517-2530.	3.3	108
951	Surface ligand controls silver ion release of nanosilver and its antibacterial activity against <i>Escherichia coli</i> . <i>International Journal of Nanomedicine</i> , 2017, Volume 12, 3193-3206.	3.3	111
952	Current and emerging techniques for antibiotic susceptibility tests. <i>Theranostics</i> , 2017, 7, 1795-1805.	4.6	143
953	Structure-Activity and Lipophilicity Relationships of Selected Antibacterial Natural Flavones and Flavanones of Chilean Flora. <i>Molecules</i> , 2017, 22, 608.	1.7	91
954	Green Synthesis of Ag/Ag ₂ O Nanoparticles Using Aqueous Leaf Extract of <i>Eupatorium odoratum</i> and Its Antimicrobial and Mosquito Larvicidal Activities. <i>Molecules</i> , 2017, 22, 674.	1.7	58
955	Cardamom, Cumin, and Dill Weed Essential Oils: Chemical Compositions, Antimicrobial Activities, and Mechanisms of Action against <i>Campylobacter</i> spp.. <i>Molecules</i> , 2017, 22, 1191.	1.7	56
956	Advances in Development of Antimicrobial Peptidomimetics as Potential Drugs. <i>Molecules</i> , 2017, 22, 1430.	1.7	211
957	Silver Oxide Coatings with High Silver-Ion Elution Rates and Characterization of Bactericidal Activity. <i>Molecules</i> , 2017, 22, 1487.	1.7	29
958	Antibacterial Properties of Flavonoids from Kino of the Eucalypt Tree, <i>Corymbia torelliana</i> . <i>Plants</i> , 2017, 6, 39.	1.6	9
959	PSN-PC: A Novel Antimicrobial and Anti-Biofilm Peptide from the Skin Secretion of <i>Phyllomedusa-camba</i> with Cytotoxicity on Human Lung Cancer Cell. <i>Molecules</i> , 2017, 22, 1896.	1.7	19
960	Diallylthiosulfinate (Allicin), a Volatile Antimicrobial from Garlic (<i>Allium sativum</i>), Kills Human Lung Pathogenic Bacteria, Including MDR Strains, as a Vapor. <i>Molecules</i> , 2017, 22, 1711.	1.7	103
961	Antimicrobial Activity and Resistance: Influencing Factors. <i>Frontiers in Pharmacology</i> , 2017, 8, 364.	1.6	142
962	Screening and Optimizing Antimicrobial Peptides by Using SPOT-Synthesis. <i>Frontiers in Chemistry</i> , 2017, 5, 25.	1.8	36

#	ARTICLE	IF	CITATIONS
963	Buwchitin: A Ruminant Peptide with Antimicrobial Potential against <i>Enterococcus faecalis</i> . <i>Frontiers in Chemistry</i> , 2017, 5, 51.	1.8	19
964	FNR Regulates the Expression of Important Virulence Factors Contributing to the Pathogenicity of Avian Pathogenic <i>Escherichia coli</i> . <i>Frontiers in Cellular and Infection Microbiology</i> , 2017, 7, 265.	1.8	14
965	Deferiprone and Gallium-Protoporphyrin Have the Capacity to Potentiate the Activity of Antibiotics in <i>Staphylococcus aureus</i> Small Colony Variants. <i>Frontiers in Cellular and Infection Microbiology</i> , 2017, 7, 280.	1.8	47
966	<i>Alloiococcus otitidis</i> Forms Multispecies Biofilm with <i>Haemophilus influenzae</i> : Effects on Antibiotic Susceptibility and Growth in Adverse Conditions. <i>Frontiers in Cellular and Infection Microbiology</i> , 2017, 7, 344.	1.8	20
967	Activity of Bacteriophages in Removing Biofilms of <i>Pseudomonas aeruginosa</i> Isolates from Chronic Rhinosinusitis Patients. <i>Frontiers in Cellular and Infection Microbiology</i> , 2017, 7, 418.	1.8	132
968	Evidence of an Antimicrobial Peptide Signature Encrypted in HECT E3 Ubiquitin Ligases. <i>Frontiers in Immunology</i> , 2017, 7, 664.	2.2	7
969	Comparative Analysis of the Bacterial Membrane Disruption Effect of Two Natural Plant Antimicrobial Peptides. <i>Frontiers in Microbiology</i> , 2017, 8, 51.	1.5	80
970	Antagonistic Activity and Mode of Action of Phenazine-1-Carboxylic Acid, Produced by Marine Bacterium <i>Pseudomonas aeruginosa</i> PA31x, Against <i>Vibrio anguillarum</i> In vitro and in a Zebrafish In vivo Model. <i>Frontiers in Microbiology</i> , 2017, 8, 289.	1.5	34
971	Indole-Induced Activities of β -Lactamase and Efflux Pump Confer Ampicillin Resistance in <i>Pseudomonas putida</i> KT2440. <i>Frontiers in Microbiology</i> , 2017, 8, 433.	1.5	21
972	Anti-bacterial and Anti-biofilm Evaluation of Thiazolopyrimidinone Derivatives Targeting the Histidine Kinase YycG Protein of <i>Staphylococcus epidermidis</i> . <i>Frontiers in Microbiology</i> , 2017, 8, 549.	1.5	14
973	Targeted Modification of a Novel Amphibian Antimicrobial Peptide from <i>Phyllomedusa tarsius</i> to Enhance Its Activity against MRSA and Microbial Biofilm. <i>Frontiers in Microbiology</i> , 2017, 8, 628.	1.5	35
974	New Potent Membrane-Targeting Antibacterial Peptides from Viral Capsid Proteins. <i>Frontiers in Microbiology</i> , 2017, 8, 775.	1.5	37
975	An <i>aroD</i> Ochre Mutation Results in a <i>Staphylococcus aureus</i> Small Colony Variant That Can Undergo Phenotypic Switching via Two Alternative Mechanisms. <i>Frontiers in Microbiology</i> , 2017, 8, 1001.	1.5	19
976	Probiotic <i>Enterococcus mundtii</i> Isolate Protects the Model Insect <i>Tribolium castaneum</i> against <i>Bacillus thuringiensis</i> . <i>Frontiers in Microbiology</i> , 2017, 8, 1261.	1.5	47
977	The Transient Multidrug Resistance Phenotype of <i>Salmonella enterica</i> Swarming Cells Is Abolished by Sub-inhibitory Concentrations of Antimicrobial Compounds. <i>Frontiers in Microbiology</i> , 2017, 8, 1360.	1.5	28
978	Transfer and Persistence of a Multi-Drug Resistance Plasmid in situ of the Infant Gut Microbiota in the Absence of Antibiotic Treatment. <i>Frontiers in Microbiology</i> , 2017, 8, 1852.	1.5	63
979	Synthetic Peptides to Target Stringent Response-Controlled Virulence in a <i>Pseudomonas aeruginosa</i> Murine Cutaneous Infection Model. <i>Frontiers in Microbiology</i> , 2017, 8, 1867.	1.5	67
980	Synergistic Response of Rifampicin with Hydroperoxides on <i>Mycobacterium</i> : A Mechanistic Study. <i>Frontiers in Microbiology</i> , 2017, 8, 2075.	1.5	15

#	ARTICLE	IF	CITATIONS
981	PdtaS Deficiency Affects Resistance of Mycobacteria to Ribosome Targeting Antibiotics. <i>Frontiers in Microbiology</i> , 2017, 8, 2145.	1.5	14
982	The Oxidative Stress Agent Hypochlorite Stimulates c-di-GMP Synthesis and Biofilm Formation in <i>Pseudomonas aeruginosa</i> . <i>Frontiers in Microbiology</i> , 2017, 8, 2311.	1.5	44
983	Effective Antimicrobial Activity of Plectasin-Derived Antimicrobial Peptides against <i>Staphylococcus aureus</i> Infection in Mammary Glands. <i>Frontiers in Microbiology</i> , 2017, 8, 2386.	1.5	18
984	MgrB Alterations Mediate Colistin Resistance in <i>Klebsiella pneumoniae</i> Isolates from Iran. <i>Frontiers in Microbiology</i> , 2017, 8, 2470.	1.5	77
985	New Pharmacophore from the Stem Bark Fractions of <i>Acacia decurrens</i> (Willd), an Invasive South Africa Tree. <i>Hindawi Journal of Chemistry</i> , 2017, 2017, 1-12.	1.6	4
986	Investigations of a Possible Chemical Effect of <i>Salvadora persica</i> Chewing Sticks. <i>Evidence-based Complementary and Alternative Medicine</i> , 2017, 2017, 1-10.	0.5	17
987	Evaluation of the Antibacterial and Antifungal Properties of <i>Phragmanthera capitata</i> (Sprengel) Balle (Loranthaceae), a Mistletoe Growing on Rubber Tree, Using the Dilution Techniques. <i>Scientific World Journal</i> , The, 2017, 2017, 1-8.	0.8	30
988	Synthesis and antimicrobial activity of chiral quaternary α -ammonium bromides with 3,4-dihydro-1H-spiro[isoindoline-2,2'-isoquinoline] skeleton. <i>Drug Design, Development and Therapy</i> , 2017, Volume 11, 2015-2028.	2.0	3
989	Determination of minimum inhibitory concentration (MIC) and minimum bactericidal concentration (MBC) using a novel dilution tube method. <i>African Journal of Microbiology Research</i> , 2017, 11, 977-980.	0.4	92
990	Synthesis and Antimicrobial Studies of New Antibacterial Azo-Compounds Active against <i>Staphylococcus aureus</i> and <i>Listeria monocytogenes</i> . <i>Molecules</i> , 2017, 22, 1372.	1.7	37
991	The Phage Lysin PlySs2 Decolonizes <i>Streptococcus suis</i> from Murine Intranasal Mucosa. <i>PLoS ONE</i> , 2017, 12, e0169180.	1.1	30
992	Comprehensive analysis of phospholipids and glycolipids in the opportunistic pathogen <i>Enterococcus faecalis</i> . <i>PLoS ONE</i> , 2017, 12, e0175886.	1.1	54
993	Phenotypic heterogeneity promotes adaptive evolution. <i>PLoS Biology</i> , 2017, 15, e2000644.	2.6	128
994	Broad-range potential of <i>Asphodelus microcarpus</i> leaves extract for drug development. <i>BMC Microbiology</i> , 2017, 17, 159.	1.3	18
995	Biological activities and chemical compositions of slime tracks and crude exopolysaccharides isolated from plasmodia of <i>Physarum polycephalum</i> and <i>Physarella oblonga</i> . <i>BMC Biotechnology</i> , 2017, 17, 76.	1.7	13
996	Antibacterial properties of quercetin. <i>Mental Illness</i> , 2017, 8, .	0.8	114
997	ANTIMICROBIAL AND ANTHELMINTIC ACTIVITIES OF SOME NEWLY SYNTHESIZED TRIAZOLES. <i>Asian Journal of Pharmaceutical and Clinical Research</i> , 2017, 10, 139.	0.3	8
998	Formulation of Menthol-Loaded Nanostructured Lipid Carriers to Enhance Its Antimicrobial Activity for Food Preservation. <i>Advanced Pharmaceutical Bulletin</i> , 2017, 7, 261-268.	0.6	37

#	ARTICLE	IF	CITATIONS
999	Evaluation of anti-leishmanial and antibacterial activity of <i>Waldheimia tomentosa</i> (Asteraceae), and chemical profiling of the most bioactive fraction. <i>Tropical Journal of Pharmaceutical Research</i> , 2017, 16, 2169.	0.2	5
1000	Lipophilic Fraction of Cultivated <i>Bifurcaria bifurcata</i> R. Ross: Detailed Composition and In Vitro Prospection of Current Challenging Bioactive Properties. <i>Marine Drugs</i> , 2017, 15, 340.	2.2	26
1001	Antimicrobial activity of Nigerian medicinal plants. <i>Journal of Intercultural Ethnopharmacology</i> , 2017, 6, 1.	0.9	41
1002	Antimicrobial activity of four essential oils against pigmented <i>Pseudomonas fluorescens</i> and biofilm-producing <i>Staphylococcus aureus</i> of dairy origin. <i>Italian Journal of Food Safety</i> , 2017, 6, 6939.	0.5	6
1003	Combined efficacy of thymol and silver nanoparticles against <i>Staphylococcus aureus</i> . <i>African Journal of Microbiology Research</i> , 2017, 11, 450-457.	0.4	6
1004	An investigation of antibacterial effects of steroids. <i>Turkish Journal of Veterinary and Animal Sciences</i> , 2017, 41, 302-305.	0.2	34
1005	<i>Erwinia amylovora</i> psychrotrophic adaptations: evidence of pathogenic potential and survival at temperate and low environmental temperatures. <i>PeerJ</i> , 2017, 5, e3931.	0.9	44
1006	Effects of Ultrasound Treatment on Physicochemical Properties and Antimicrobial Activities of Whey Protein-Total Nanoparticles. <i>Journal of Food Protection</i> , 2017, 80, 1657-1665.	0.8	12
1007	Light emitting diode irradiation induced shape conversion of DNA-capped silver nanoparticles and their antioxidant and antibacterial activities. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2018, 46, 955-963.	1.9	14
1008	Enhancing the antimicrobial effect of genistein by biotransformation in microbial system. <i>Journal of Industrial and Engineering Chemistry</i> , 2018, 63, 255-261.	2.9	26
1009	Antibiotic Susceptibility Determination within One Cell Cycle at Single-Bacterium Level by Stimulated Raman Metabolic Imaging. <i>Analytical Chemistry</i> , 2018, 90, 3737-3743.	3.2	86
1010	A Versatile Approach to Noncanonical, Dynamic Covalent Single- and Multi-Loop Peptide Macrocycles for Enhancing Antimicrobial Activity. <i>Journal of the American Chemical Society</i> , 2018, 140, 3768-3774.	6.6	22
1011	The semi-synthesis, biological evaluation and docking analysis of the oxime, hydrazine and hydrazide derivatives of platensimycin. <i>MedChemComm</i> , 2018, 9, 789-794.	3.5	12
1012	Comparative transcriptomics of multidrug-resistant <i>Acinetobacter baumannii</i> in response to antibiotic treatments. <i>Scientific Reports</i> , 2018, 8, 3515.	1.6	53
1013	Multifunctional polypyrrole@maghemite@silver composites: synthesis, physico-chemical characterization and antibacterial properties. <i>Chemical Papers</i> , 2018, 72, 1789-1797.	1.0	11
1014	Regulation of the <i>aceI</i> multidrug efflux pump gene in <i>Acinetobacter baumannii</i> . <i>Journal of Antimicrobial Chemotherapy</i> , 2018, 73, 1492-1500.	1.3	25
1015	Azithromycin-Induced Changes to Bacterial Membrane Properties Monitored <i>In Vitro</i> by Second-Harmonic Light Scattering. <i>ACS Medicinal Chemistry Letters</i> , 2018, 9, 569-574.	1.3	37
1016	Fmoc-phenylalanine displays antibacterial activity against Gram-positive bacteria in gel and solution phases. <i>Soft Matter</i> , 2018, 14, 2234-2244.	1.2	76

#	ARTICLE	IF	CITATIONS
1017	Essential oils and their components are a class of antifungals with potent vapour-phase-mediated anti-Candida activity. <i>Scientific Reports</i> , 2018, 8, 3958.	1.6	25
1018	Synthesis, Characterization and Applications of Ethyl Cellulose-Based Polymeric Calcium(II) Hydrogen Phosphate Composite. <i>Journal of Electronic Materials</i> , 2018, 47, 2954-2963.	1.0	18
1019	Phenotypic Antimicrobial Susceptibility Testing with Deep Learning Video Microscopy. <i>Analytical Chemistry</i> , 2018, 90, 6314-6322.	3.2	61
1020	Bioadhesive, Hemostatic, and Antibacterial <i>in Situ</i> Chitin-Fibrin Nanocomposite Gel for Controlling Bleeding and Preventing Infections at Mediastinum. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 7826-7840.	3.2	62
1021	Controlling of Food Borne Pathogens by Nanoparticles. , 2018, , 293-322.		2
1022	Positional isomers of mannose-quinoline conjugates and their copper complexes: exploring the biological activity. <i>New Journal of Chemistry</i> , 2018, 42, 8882-8890.	1.4	7
1023	Hydrophilic and lipophilic characteristics of non-fatty acid moieties: significant factors affecting antibacterial activity of lauric acid esters. <i>Food Science and Biotechnology</i> , 2018, 27, 401-409.	1.2	32
1024	A novel coordination polymer of Cd(II) based on 2-mercaptopyrimidine: Sonochemical synthesis, characterization, and antibacterial properties. <i>Journal of Molecular Structure</i> , 2018, 1166, 470-478.	1.8	11
1025	<i>In vitro</i> activity of <i>Desmostachya bipinnata</i> (L.) Stapf successive extracts against <i>Helicobacter pylori</i> clinical isolates. <i>Saudi Pharmaceutical Journal</i> , 2018, 26, 535-540.	1.2	15
1026	Anhydrous polymer-based coating with sustainable controlled release functionality for facile, efficacious impregnation, and delivery of antimicrobial peptides. <i>Biotechnology and Bioengineering</i> , 2018, 115, 2000-2012.	1.7	20
1027	3-Acetyl-8-methoxy-2-[H]-chromen-2-one derived Schiff bases as potent antiproliferative agents: Insight into the influence of 4(N)-substituents on the <i>in vitro</i> biological activity. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 200, 246-262.	2.0	15
1028	Effects of truncation of the peptide chain on the secondary structure and bioactivities of palmitoylated anoplin. <i>Peptides</i> , 2018, 104, 7-14.	1.2	12
1029	Detection of arsenic-binding siderophores in arsenic-tolerating Actinobacteria by a modified CAS assay. <i>Ecotoxicology and Environmental Safety</i> , 2018, 157, 176-181.	2.9	48
1030	Synthesis, characterization, molecular modeling, antioxidant and microbial properties of some Titanium(IV) complexes of schiff bases. <i>Journal of Molecular Structure</i> , 2018, 1166, 79-90.	1.8	24
1031	<i>In silico</i> design of polycationic antimicrobial peptides active against <i>Pseudomonas aeruginosa</i> and <i>Staphylococcus aureus</i> . <i>Antonie Van Leeuwenhoek</i> , 2018, 111, 1871-1882.	0.7	11
1032	Increasing the Antimicrobial Activity of Nisin-Based Lantibiotics against Gram-Negative Pathogens. <i>Applied and Environmental Microbiology</i> , 2018, 84, .	1.4	93
1033	A Phage Lysin Fused to a Cell-Penetrating Peptide Kills Intracellular Methicillin-Resistant <i>Staphylococcus aureus</i> in Keratinocytes and Has Potential as a Treatment for Skin Infections in Mice. <i>Applied and Environmental Microbiology</i> , 2018, 84, .	1.4	36
1034	Silver ciprofloxacin (CIPAG): a successful combination of chemically modified antibiotic in inorganic-organic hybrid. <i>Journal of Biological Inorganic Chemistry</i> , 2018, 23, 705-723.	1.1	20

#	ARTICLE	IF	CITATIONS
1035	Computer-aided Discovery of Peptides that Specifically Attack Bacterial Biofilms. <i>Scientific Reports</i> , 2018, 8, 1871.	1.6	92
1036	Development and optimization of ciprofloxacin-loaded gelatin microparticles by single-step spray-drying technique. <i>Powder Technology</i> , 2018, 330, 201-209.	2.1	9
1037	Aerogel from chemo-enzymatically oxidized fenugreek gum: an innovative delivery system of isothiazolinones biocides. <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 2683-2692.	1.7	9
1038	<i>Clostridium botulinum</i> type A-virulome-gut interactions: A systems biology insight. <i>Human Microbiome Journal</i> , 2018, 7-8, 15-22.	3.8	10
1039	The antimicrobial potential of a new derivative of cathelicidin from <i>Bungarus fasciatus</i> against methicillin-resistant <i>Staphylococcus aureus</i> . <i>Journal of Microbiology</i> , 2018, 56, 128-137.	1.3	20
1040	Silver complex of salicylic acid and its hydrogel-cream in wound healing chemotherapy. <i>Journal of Inorganic Biochemistry</i> , 2018, 181, 41-55.	1.5	43
1041	New cationic and neutral copper(II) complexes containing 7-hydroxy-4-oxo-4[H]-chromene derived ONO pincer ligands: Synthesis, characterization and in vitro biological evaluations. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2018, 180, 77-88.	1.7	15
1042	Ultrasound-assisted Synthesis of Novel Pyrazole and Pyrimidine Derivatives as Antimicrobial Agents. <i>Journal of Heterocyclic Chemistry</i> , 2018, 55, 756-762.	1.4	31
1043	Structure, Function, and Biosynthetic Origin of Octapeptin Antibiotics Active against Extensively Drug-Resistant Gram-Negative Bacteria. <i>Cell Chemical Biology</i> , 2018, 25, 380-391.e5.	2.5	57
1044	Ribosome engineering and fermentation optimization leads to overproduction of tiancimycin A, a new enediyne natural product from <i>Streptomyces</i> sp. CB03234. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2018, 45, 141-151.	1.4	29
1045	Isolation and identification of a novel LCI like antibacterial protein from <i>Bacillus</i> sp. MD-5 reveals its potential application in controlling <i>Staphylococcus aureus</i> in food industry. <i>Food Control</i> , 2018, 89, 142-149.	2.8	14
1046	Expanding the potential of NAI-107 for treating serious ESKAPE pathogens: synergistic combinations against Gram-negatives and bactericidal activity against non-dividing cells. <i>Journal of Antimicrobial Chemotherapy</i> , 2018, 73, 414-424.	1.3	30
1047	Growth media and assay plate material can impact on the effectiveness of cationic biocides and antibiotics against different bacterial species. <i>Letters in Applied Microbiology</i> , 2018, 66, 368-377.	1.0	31
1048	Exploring the Antimicrobial Action of Quaternary Amines against <i>Acinetobacter baumannii</i> . <i>MBio</i> , 2018, 9, .	1.8	41
1049	Black Zira essential oil: Chemical compositions and antimicrobial activity against the growth of some pathogenic strain causing infection. <i>Microbial Pathogenesis</i> , 2018, 116, 153-157.	1.3	33
1050	The effects of antimicrobial peptides WAM-1 and LL-37 on multidrug-resistant <i>Acinetobacter baumannii</i> . <i>Pathogens and Disease</i> , 2018, 76, .	0.8	23
1051	Mutations in MetG (methionyl-tRNA synthetase) and TrmD [tRNA (guanine-N1)-methyltransferase] conferring meropenem tolerance in <i>Burkholderia thailandensis</i> . <i>Journal of Antimicrobial Chemotherapy</i> , 2018, 73, 332-338.	1.3	7
1052	Probiotic potential of novel <i>Lactobacillus</i> strains isolated from salted-fermented shrimp as antagonists for <i>Vibrio parahaemolyticus</i> . <i>Journal of Microbiology</i> , 2018, 56, 138-144.	1.3	19

#	ARTICLE	IF	CITATIONS
1053	Charged Metallopolymer-Grafted Silica Nanoparticles for Antimicrobial Applications. <i>Biomacromolecules</i> , 2018, 19, 417-425.	2.6	34
1054	Biomimetic Stereoselective Sulfa-Michael Addition Leads to Platensimycin and Platencin Sulfur Analogues against Methicillin-Resistant <i>Staphylococcus aureus</i> . <i>Journal of Natural Products</i> , 2018, 81, 316-322.	1.5	17
1055	New Shuttle Vectors for Gene Cloning and Expression in Multidrug-Resistant <i>Acinetobacter</i> Species. <i>Antimicrobial Agents and Chemotherapy</i> , 2018, 62, .	1.4	47
1056	An Efficient Green Synthesis of Some Functionalized Spiro Chromene Based Scaffolds as Potential Antitubercular Agents. <i>Journal of Heterocyclic Chemistry</i> , 2018, 55, 699-708.	1.4	8
1057	A Novel High-Molecular-Mass Bacteriocin Produced by <i>Enterococcus faecium</i> : Biochemical Features and Mode of Action. <i>Probiotics and Antimicrobial Proteins</i> , 2018, 10, 427-434.	1.9	12
1058	Selectivity Modulation and Structure of β -Cyclic Antimicrobial Peptides. <i>Chemistry - A European Journal</i> , 2018, 24, 6191-6201.	1.7	11
1059	Characterization of Biosurfactant Produced by a Novel Strain of <i>Pseudomonas aeruginosa</i> , Isolate ADMT1. <i>Journal of Surfactants and Detergents</i> , 2018, 21, 113-125.	1.0	16
1060	From liposomes to cells: Filling the gap between physicochemical and microbiological studies of the activity and selectivity of host-defense peptides. <i>Peptide Science</i> , 2018, 110, e24041.	1.0	37
1061	Colistin causes profound morphological alteration but minimal cytoplasmic membrane perforation in populations of <i>Escherichia coli</i> and <i>Pseudomonas aeruginosa</i> . <i>Archives of Microbiology</i> , 2018, 200, 793-802.	1.0	33
1062	HpaP, a novel regulatory protein with ATPase and phosphatase activity, contributes to full virulence in <i>Xanthomonas campestris</i> pv. <i>campestris</i> . <i>Environmental Microbiology</i> , 2018, 20, 1389-1404.	1.8	16
1063	Design, synthesis, structure elucidation and in vitro antiviral and antimicrobial evaluation. <i>Journal of the Iranian Chemical Society</i> , 2018, 15, 839-853.	1.2	4
1064	Enhanced extraction of oleoresin from <i>Piper nigrum</i> by supercritical carbon dioxide using ethanol as a co-solvent and its bioactivity profile. <i>Journal of Food Process Engineering</i> , 2018, 41, e12670.	1.5	24
1065	Discovery of novel antimicrobial peptides: A transcriptomic study of the sea anemone <i>Cnidopus japonicus</i> . <i>Journal of Bioinformatics and Computational Biology</i> , 2018, 16, 1840006.	0.3	13
1066	A single WAP domain (SWD)-containing protein with antiviral activity from Pacific white shrimp <i>Litopenaeus vannamei</i> . <i>Fish and Shellfish Immunology</i> , 2018, 73, 167-174.	1.6	22
1067	Ultrasound-assisted synthesis and antimicrobial activity of tetrazole-based pyrazole and pyrimidine derivatives. <i>Heterocyclic Communications</i> , 2018, 24, 59-65.	0.6	11
1068	Precursor-directed combinatorial biosynthesis of cephalosporin analogue by endolithic actinobacterium <i>Streptomyces</i> sp. AL51 by utilizing thiophene derivative. <i>3 Biotech</i> , 2018, 8, 31.	1.1	5
1069	Lipoprotein Signal Peptidase Inhibitors with Antibiotic Properties Identified through Design of a Robust In Vitro HT Platform. <i>Cell Chemical Biology</i> , 2018, 25, 301-308.e12.	2.5	33
1070	Effects of direct current on <i>Klebsiella</i> spp. viability and corresponding resistance gene expression in simulative bio-electrochemical reactors. <i>Chemosphere</i> , 2018, 196, 251-259.	4.2	32

#	ARTICLE	IF	CITATIONS
1071	Combining diagnostic methods for antimicrobial susceptibility testing – A comparative approach. <i>Journal of Microbiological Methods</i> , 2018, 144, 177-185.	0.7	9
1072	Presence of <i>Stenotrophomonas maltophilia</i> exhibiting high genetic similarity to clinical isolates in final effluents of pig farm wastewater treatment plants. <i>International Journal of Hygiene and Environmental Health</i> , 2018, 221, 300-307.	2.1	22
1073	Simple Ciprofloxacin Resistance Test and Determination of Minimal Inhibitory Concentration within 2 h Using Raman Spectroscopy. <i>Analytical Chemistry</i> , 2018, 90, 1811-1818.	3.2	65
1074	Impacts of broth chemistry on silver ion release, surface chemistry composition, and bacterial cytotoxicity of silver nanoparticles. <i>Environmental Science: Nano</i> , 2018, 5, 304-312.	2.2	21
1075	Computational antimicrobial peptide design and evaluation against multidrug-resistant clinical isolates of bacteria. <i>Journal of Biological Chemistry</i> , 2018, 293, 3492-3509.	1.6	93
1076	Biofilm Formation Protects <i>Salmonella</i> from the Antibiotic Ciprofloxacin In Vitro and In Vivo in the Mouse Model of chronic Carriage. <i>Scientific Reports</i> , 2018, 8, 222.	1.6	58
1077	Antibacterial properties of Latarcin 1 derived cell-penetrating peptides. <i>European Journal of Pharmaceutical Sciences</i> , 2018, 115, 43-49.	1.9	23
1078	Real-Time Digital Bright Field Technology for Rapid Antibiotic Susceptibility Testing. <i>Methods in Molecular Biology</i> , 2018, 1736, 75-84.	0.4	6
1079	Inactivation of pure bacterial biofilms by impaction of aerosolized consumer products containing nanoparticulate metals. <i>Environmental Science: Nano</i> , 2018, 5, 544-555.	2.2	2
1080	Comparative study of antioxidant and antibacterial properties of the edible mushrooms <i>Pleurotus levis</i> , <i>P. Æostreatus</i> , <i>P. Æpulmonarius</i> and <i>P. Ætuberâ€regium</i> . <i>International Journal of Food Science and Technology</i> , 2018, 53, 1316-1330.	1.3	41
1081	Discovery of Next-Generation Antimicrobials through Bacterial Self-Screening of Surface-Displayed Peptide Libraries. <i>Cell</i> , 2018, 172, 618-628.e13.	13.5	122
1082	Fosfomycin efficacy and emergence of resistance among Enterobacteriaceae in an in vitro dynamic bladder infection model. <i>Journal of Antimicrobial Chemotherapy</i> , 2018, 73, 709-719.	1.3	30
1083	An investigation on 3-acetyl-7-methoxy-coumarin Schiff bases and their Ru(II) metallates with potent antiproliferative activity and enhanced LDH and NO release. <i>RSC Advances</i> , 2018, 8, 1539-1561.	1.7	28
1084	Recyclable magnetic nanoparticles grafted with antimicrobial metallopolymer-antibiotic bioconjugates. <i>Biomaterials</i> , 2018, 178, 363-372.	5.7	33
1085	Antibacterial activity and mechanism of action of analogues derived from the antimicrobial peptide mBjAMP1 isolated from <i>Branchiostoma japonicum</i> . <i>Journal of Antimicrobial Chemotherapy</i> , 2018, 73, 2054-2063.	1.3	15
1086	Synthesis of extracellular gold nanoparticles using <i>Cupriavidus metallidurans</i> CH34 cells. <i>IET Nanobiotechnology</i> , 2018, 12, 40-46.	1.9	24
1087	Detection of Enterohemorrhagic <i>Escherichia Coli</i> Colonization in Murine Host by Non-invasive In Vivo Bioluminescence System. <i>Journal of Visualized Experiments</i> , 2018, , .	0.2	0
1088	Biological evaluation of new organoruthenium(II) metallates containing 3-acetyl-8-methoxy-2H-chromen-2-one appended CNS donor Schiff bases. <i>Journal of Organometallic Chemistry</i> , 2018, 866, 223-242.	0.8	11

#	ARTICLE	IF	CITATIONS
1089	Propyl-5-hydroxy-3-methyl-1-phenyl-1H-pyrazole-4-carbodithioate (HMPC): a new bacteriostatic agent against methicillin-resistant Staphylococcus aureus. Scientific Reports, 2018, 8, 7062.	1.6	6
1090	Streptoxamine, an unprecedented benzoisindole-deferoxamine hybrid from the locust-derived Streptomyces sp. HKHCa2. F&A-toterap&A-c, 2018, 127, 25-28.	1.1	6
1091	A versatile and injectable poly(methyl methacrylate) cement functionalized with quaternized chitosan-glycerophosphate/nanosized hydroxyapatite hydrogels. Materials Science and Engineering C, 2018, 90, 264-272.	3.8	30
1092	A Comparison of the Antibacterial and Antifungal Activities of Thiosulfinate Analogues of Allicin. Scientific Reports, 2018, 8, 6763.	1.6	128
1093	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.	1.4	24
1094	Effect of Sedimentation and Aeration on Antibiotic Resistance Induction in the Activated Sludge Process. Journal of Water and Environment Technology, 2018, 16, 94-105.	0.3	15
1095	Experimental, DFT Calculation, Biological Activity, Anion Sensing Application Studies and Crystal Structure of (E)-4-[(pyridin-3-ylimino)methyl]benzene-1,3-diol. Journal of Chemical Crystallography, 2018, 48, 32-46.	0.5	2
1096	Influence of plant origin natural $\hat{\pm}$ -pinene with different enantiomeric composition on bacteria, yeasts and fungi. F&A-toterap&A-c, 2018, 127, 20-24.	1.1	41
1097	Discovery of Antimicrobial Lipodepsipeptides Produced by a <i>Serratia</i> sp. within Mosquito Microbiomes. ChemBioChem, 2018, 19, 1590-1594.	1.3	26
1098	Multifunctional theranostic applications of biocompatible green-synthesized colloidal nanoparticles. Applied Microbiology and Biotechnology, 2018, 102, 4393-4408.	1.7	95
1099	Cationic polymeric N-halamines bind onto biofilms and inactivate adherent bacteria. Colloids and Surfaces B: Biointerfaces, 2018, 166, 210-217.	2.5	11
1100	Biophysical and in silico interaction studies of aporphine alkaloids with Malonyl-CoA: ACP transacylase (FabD) from drug resistant Moraxella catarrhalis. Biochimie, 2018, 149, 18-33.	1.3	10
1101	Streptomyces globosus DK15 and Streptomyces ederensis ST13 as new producers of factumycin and tetrangomycin antibiotics. Brazilian Journal of Microbiology, 2018, 49, 816-822.	0.8	12
1102	A New Critical Conformational Determinant of Multidrug Efflux by an MFS Transporter. Journal of Molecular Biology, 2018, 430, 1368-1385.	2.0	27
1103	Synthesis, Self-Assembly, and Biomedical Applications of Antimicrobial Peptide-Polymer Conjugates. Biomacromolecules, 2018, 19, 1701-1720.	2.6	195
1104	Antimicrobial potency of high-energy emulsified black pepper oil nanoemulsion against aquaculture pathogen. Aquaculture, 2018, 491, 210-220.	1.7	34
1105	Bacterial Alkaloid Biosynthesis: Structural Diversity via a Minimalistic Nonribosomal Peptide Synthetase. Cell Chemical Biology, 2018, 25, 659-665.e9.	2.5	24
1106	Inhibitory effect of thymol via different modes of delivery on growth of Escherichia coli DH5 $\hat{\pm}$. Food Packaging and Shelf Life, 2018, 16, 92-96.	3.3	8

#	ARTICLE	IF	CITATIONS
1107	Silver nanoparticle biosynthesis from newly isolated streptomyces genus from soil. <i>Materials Research Express</i> , 2018, 5, 045402.	0.8	17
1108	Selected Heat-Sensitive Antibiotics Are Not Inactivated During Polymethylmethacrylate Curing and Can Be Used in Cement Spacers for Periprosthetic Joint Infection. <i>Journal of Arthroplasty</i> , 2018, 33, 1930-1935.	1.5	22
1109	Individualising Therapy to Minimize Bacterial Multidrug Resistance. <i>Drugs</i> , 2018, 78, 621-641.	4.9	48
1110	Synthesis, spectroscopic characterization, DFT studies and antifungal activity of (E)-4-amino-5-[N'-(2-nitro-benzylidene)-hydrazino]-2,4-dihydro-[1,2,4]triazole-3-thione. <i>Journal of Molecular Structure</i> , 2018, 1164, 386-403.	1.8	43
1111	Synthesis and characterization of nitrile functionalized silver(I)-N-heterocyclic carbene complexes: DNA binding, cleavage studies, antibacterial properties and mosquitocidal activity against the dengue vector, <i>Aedes albopictus</i> . <i>European Journal of Medicinal Chemistry</i> , 2018, 150, 601-615.	2.6	41
1112	Molecular Mechanisms of Colistin Resistance Among Pandrug-Resistant Isolates of <i>Acinetobacter baumannii</i> with High Case-Fatality Rate in Intensive Care Unit Patients. <i>Microbial Drug Resistance</i> , 2018, 24, 1271-1276.	0.9	27
1113	Effects of carboxyl and aldehyde groups on the antibacterial activity of oxidized amylose. <i>Carbohydrate Polymers</i> , 2018, 192, 118-125.	5.1	52
1114	Parallel susceptibility testing of bacteria through culture-quantitative PCR in 96-well plates. <i>International Journal of Infectious Diseases</i> , 2018, 70, 86-92.	1.5	11
1115	Synthesis, characterization, molecular docking, biological activity and density functional theory studies of novel 1,4-naphthoquinone derivatives and Pd(II), Ni(II) and Co(II) complexes. <i>Applied Organometallic Chemistry</i> , 2018, 32, e4310.	1.7	29
1116	Surfactant-enhanced biodegradation of crude oil by mixed bacterial consortium in contaminated soil. <i>Environmental Science and Pollution Research</i> , 2018, 25, 14437-14446.	2.7	26
1117	Reduced Susceptibility to Antiseptics Is Conferred by Heterologous Housekeeping Genes. <i>Microbial Drug Resistance</i> , 2018, 24, 105-112.	0.9	11
1118	Antioxidant, anti-inflammatory, and anti-allergic activities of the sweet-tasting protein brazzein. <i>Food Chemistry</i> , 2018, 267, 163-169.	4.2	27
1119	Drug repurposing: An approach to tackle drug resistance in <i>S. typhimurium</i> . <i>Journal of Cellular Biochemistry</i> , 2018, 119, 2818-2831.	1.2	3
1120	Chemical Composition and Biological Investigations of <i>Eryngium triquetrum</i> Essential Oil from Algeria. <i>Chemistry and Biodiversity</i> , 2018, 15, e1700343.	1.0	10
1121	Characterization of isoflavonoids as inhibitors of β -hydroxyacyl-acyl carrier protein dehydratase (FabZ) from <i>Moraxella catarrhalis</i> : Kinetics, spectroscopic, thermodynamics and in silico studies. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2018, 1862, 726-744.	1.1	8
1122	Substrate analog interaction with MCR offers insight into the rising threat of the plasmid-mediated transferable colistin resistance. <i>FASEB Journal</i> , 2018, 32, 1085-1098.	0.2	35
1123	Antibacterial and DNA cleavage activity of carbonyl functionalized N-heterocyclic carbene-silver(I) and selenium compounds. <i>Journal of Molecular Structure</i> , 2018, 1155, 362-370.	1.8	31
1124	Phenotypic and genotypic characterization of a novel multi-antibiotic-resistant, alginate hyperproducing strain of <i>Pseudomonas mandelii</i> isolated in Antarctica. <i>Polar Biology</i> , 2018, 41, 469-480.	0.5	6

#	ARTICLE	IF	CITATIONS
1125	In vitro antimicrobial susceptibility testing methods: agar dilution to 3D tissue-engineered models. <i>European Journal of Clinical Microbiology and Infectious Diseases</i> , 2018, 37, 187-208.	1.3	87
1126	Antimicrobial activity of cyclic dipeptides produced by <i>Lactobacillus plantarum</i> LBP-K10 against multidrug-resistant bacteria, pathogenic fungi, and influenza A virus. <i>Food Control</i> , 2018, 85, 223-234.	2.8	24
1127	Polymorphism of antibiotic-inactivating enzyme driven by ecology expands the environmental resistome. <i>ISME Journal</i> , 2018, 12, 267-276.	4.4	19
1128	Antimicrobial Effects of Peptides from Human Beta-Defensin-3 on Planktonic and Biofilm States of <i>Streptococci</i> . <i>International Journal of Peptide Research and Therapeutics</i> , 2018, 24, 489-497.	0.9	1
1129	Marine Mammal Microbiota Yields Novel Antibiotic with Potent Activity Against <i>Clostridium difficile</i> . <i>ACS Infectious Diseases</i> , 2018, 4, 59-67.	1.8	22
1130	Design, Synthesis, SAR and Molecular Modeling Studies of Novel Imidazo[2,1- <i>b</i>][1,3,4]Thiadiazole Derivatives as Highly Potent Antimicrobial Agents. <i>Molecular Informatics</i> , 2018, 37, 1700083.	1.4	32
1131	Bayesian estimation of multivariate normal mixtures with covariate-dependent mixing weights, with an application in antimicrobial resistance monitoring. <i>Biometrical Journal</i> , 2018, 60, 7-19.	0.6	8
1132	Co(II), Ni(II), Cu(II) and Zn(II) complexes of aminothiazole-derived Schiff base ligands: Synthesis, characterization, antibacterial and cytotoxicity evaluation, bovine serum albumin binding and density functional theory studies. <i>Applied Organometallic Chemistry</i> , 2018, 32, e4098.	1.7	22
1133	Altitudinal variation of berberine, total phenolics and flavonoid content in <i>Thalictrum foliolosum</i> and their correlation with antimicrobial and antioxidant activities. <i>Journal of Ayurveda and Integrative Medicine</i> , 2018, 9, 169-176.	0.9	56
1134	Oxa-4-thia-1,3-dioxolane bicyclo[3.2.1]octane 4,4-dioxides: Mechanochemical Synthesis by Tandem Michael Addition-1,3-Dipolar Cycloaddition of Aldoximes and Evaluation of Antibacterial Activities. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 506-514.	1.2	9
1135	Innovative material containing the natural product curcumin, with enhanced antimicrobial properties for active packaging. <i>Materials Science and Engineering C</i> , 2018, 84, 118-122.	3.8	31
1136	Synthesis, characterisation and biomedical applications of curcumin conjugated chitosan microspheres. <i>International Journal of Biological Macromolecules</i> , 2018, 110, 227-233.	3.6	74
1137	Synthesis, spectral characterization and biological evaluation of some copper(II) complexes containing 4-oxo-4H-chromene-3-carbaldehyde-4(N)-substituted thiosemicarbazones. <i>Inorganica Chimica Acta</i> , 2018, 471, 759-776.	1.2	32
1138	Bacteriophage effectively kills multidrug resistant <i>Staphylococcus aureus</i> clinical isolates from chronic rhinosinusitis patients. <i>International Forum of Allergy and Rhinology</i> , 2018, 8, 406-414.	1.5	37
1139	Cyclometallated ruthenium complexes with 3-acetyl-2-(4H-chromene-2-one derived CNS chelating ligand systems: synthesis, X-ray characterization and biological evaluation. <i>New Journal of Chemistry</i> , 2018, 42, 336-354.	1.4	28
1140	Synthesis and characterization of some novel 4-arylglyoxal-chromene derivatives in the presence of a polymeric catalyst and biological evaluation against <i>Escherichia coli</i> . <i>Monatshefte für Chemie</i> , 2018, 149, 33-38.	0.9	12
1141	Tomenphantadenine, an unprecedented germacranolide-adenine hybrid heterodimer from the medicinal plant <i>Elephantopus tomentosus</i> L. <i>FITOTERAPIA</i> , 2018, 125, 217-220.	1.1	11
1142	Synthesis and antibacterial evaluation of novel cationic chalcone derivatives possessing broad spectrum antibacterial activity. <i>European Journal of Medicinal Chemistry</i> , 2018, 143, 905-921.	2.6	73

#	ARTICLE	IF	CITATIONS
1143	Effects of Hydrophobic Amino Acid Substitutions on Antimicrobial Peptide Behavior. <i>Probiotics and Antimicrobial Proteins</i> , 2018, 10, 408-419.	1.9	73
1144	Haplotype analysis of the germacrene A synthase gene and association with cynaropicrin content and biological activities in <i>Cynara cardunculus</i> . <i>Molecular Genetics and Genomics</i> , 2018, 293, 417-433.	1.0	5
1145	Glyphosate has limited short-term effects on commensal bacterial community composition in the gut environment due to sufficient aromatic amino acid levels. <i>Environmental Pollution</i> , 2018, 233, 364-376.	3.7	90
1146	Enhanced antibacterial effects of green synthesized ZnO NPs using <i>Aristolochia indica</i> against Multi-drug resistant bacterial pathogens from Diabetic Foot Ulcer. <i>Journal of Infection and Public Health</i> , 2018, 11, 463-471.	1.9	65
1147	The prototypical proton-coupled oligopeptide transporter YdgR from <i>Escherichia coli</i> facilitates chloramphenicol uptake into bacterial cells. <i>Journal of Biological Chemistry</i> , 2018, 293, 1007-1017.	1.6	23
1148	Erythorbil laurate as a potential food additive with multi-functionalities: Antibacterial activity and mode of action. <i>Food Control</i> , 2018, 86, 138-145.	2.8	28
1149	Potential use of <i>Mangifera indica</i> seed kernel and <i>Citrus aurantiifolia</i> seed in water disinfection. <i>Nigerian Journal of Technology</i> , 2018, 36, 1303.	0.2	2
1150	BIOACTIVE FRACTION OF <i>TROPIDIA CURCULIOIDES</i> , A RARE ORCHID OF ARUNACHAL PRADESH, INDIA: PHYTOCHEMICAL PROFILE AND MARKER COMPOUNDS. <i>Asian Journal of Pharmaceutical and Clinical Research</i> , 2018, 11, 155.	0.3	1
1151	Synthesis, structural elucidation and antimicrobial activities of 5-(3-nitrophenylazo)-6-aminouracil and its complexes with some transition metal ions. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018, 464, 012009.	0.3	3
1152	Peptidomic characterization and bioactivity of <i>Protoiurus kraepelini</i> (Scorpiones: <i>luridae</i>) venom. <i>Turkish Journal of Biology</i> , 2018, 42, 490-497.	2.1	4
1153	Advancements and Potential Applications of Microfluidic Approaches—A Review. <i>Chemosensors</i> , 2018, 6, 46.	1.8	20
1154	Microfluidic screening of antibiotic susceptibility at a single-cell level shows the inoculum effect of cefotaxime on <i>E. coli</i> . <i>Lab on A Chip</i> , 2018, 18, 3668-3677.	3.1	37
1155	Peptide Extract from <i>Olivancillaria hiatula</i> Exhibits Broad-Spectrum Antibacterial Activity. <i>BioMed Research International</i> , 2018, 2018, 1-11.	0.9	21
1156	Ultraviolet irradiation sensitizes <i>Pseudomonas aeruginosa</i> PAO1 to multiple antibiotics. <i>Environmental Science: Water Research and Technology</i> , 2018, 4, 2051-2057.	1.2	4
1157	Interactions of a paracyclophane-based conjugated oligoelectrolyte with biological membranes. <i>RSC Advances</i> , 2018, 8, 39849-39853.	1.7	9
1158	Antibacterial, antifungal and cytotoxic activities of some medicinal plants against multidrug resistance pathogens. <i>Reviews in Medical Microbiology</i> , 2018, 29, 182-188.	0.4	6
1159	Bioinformatics Discovery of Vertebrate Cathelicidins from the Mining of Available Genomes. , 0, , .		1
1160	Phytochemicals and antioxidant capacity of some tropical edible plants. <i>Asian-Australasian Journal of Animal Sciences</i> , 2018, 31, 1677-1684.	2.4	10

#	ARTICLE	IF	CITATIONS
1161	ANTIBACTERIAL ACTIVITY AGAINST BACILLUS SUBTILIS AND ANTIOXIDANT PROPERTIES OF METHANOL EXTRACTS FROM GARCINIA LATISSIMA MIQ. LEAVES. International Journal of Applied Pharmaceutics, 2018, 10, 24.	0.3	1
1162	Synthesis of Lysine Mimicking Membrane Active Antimicrobial Polymers. Materials Horizons, 2018, , 29-37.	0.3	0
1163	Antibiotic-Resistant Bacteria in Greywater and Greywater-Irrigated Soils. Frontiers in Microbiology, 2018, 9, 2666.	1.5	22
1164	Semisynthesis and Biological Evaluation of Platensimycin Analogues with Varying Aminobenzoic Acids. ChemistrySelect, 2018, 3, 12625-12629.	0.7	6
1165	Semisynthesis of Platensimycin Derivatives with Antibiotic Activities in Mice via Suzukiâ€“Miyaura Cross-Coupling Reactions. Journal of Medicinal Chemistry, 2018, 61, 11341-11348.	2.9	14
1167	Structureâ€“Activity Relationships of Photoswitchable Diarylethene-Based Î²-Hairpin Peptides as Membranolytic Antimicrobial and Anticancer Agents. Journal of Medicinal Chemistry, 2018, 61, 10793-10813.	2.9	41
1168	Access to high-impact mutations constrains the evolution of antibiotic resistance in soft agar. Scientific Reports, 2018, 8, 17023.	1.6	4
1169	Antimicrobial Activity of NCR Plant Peptides Strongly Depends on the Test Assays. Frontiers in Microbiology, 2018, 9, 2600.	1.5	33
1170	A Novel Lipopeptaibol Emericellipsin A with Antimicrobial and Antitumor Activity Produced by the Extremophilic Fungus Emericellopsis alkalina. Molecules, 2018, 23, 2785.	1.7	53
1171	Novel Antimicrobial Peptides from the Arctic Polychaeta Nicomache minor Provide New Molecular Insight into Biological Role of the BRICHOS Domain. Marine Drugs, 2018, 16, 401.	2.2	30
1172	Digital, Rapid, Accurate, and Label-Free Enumeration of Viable Microorganisms Enabled by Custom-Built On-Glass-Slide Culturing Device and Microscopic Scanning. Sensors, 2018, 18, 3700.	2.1	9
1173	Repurposing the anticancer drug cisplatin with the aim of developing novel <i>Pseudomonas aeruginosa</i> infection control agents. Beilstein Journal of Organic Chemistry, 2018, 14, 3059-3069.	1.3	25
1174	Rapid antibiotic susceptibility testing from blood culture bottles with species agnostic real-time polymerase chain reaction. PLoS ONE, 2018, 13, e0209042.	1.1	10
1175	Determination Antimicrobial Activity Of Leaves Extracted By Various Solvents From (Elephantopus) Tj ETQq1 1 0.784314 rgBT /Overlo	0.3	0
1176	Fecal carriage and phylo-diversity of community-acquired bla_{TEM} Enteric bacilli in Southwest Nigeria. Infection and Drug Resistance, 2018, Volume 11, 2425-2433.	1.1	11
1177	Brevinin-2 Drug Familyâ€“New Applied Peptide Candidates Against Methicillin-Resistant Staphylococcus aureus and Their Effects on Lys-7 Expression of Innate Immune Pathway DAF-2/DAF-16 in Caenorhabditis elegans. Applied Sciences (Switzerland), 2018, 8, 2627.	1.3	3
1178	LbL-assembled gentamicin delivery system for PMMA bone cements to prolong antimicrobial activity. PLoS ONE, 2018, 13, e0207753.	1.1	22
1179	Aminobenzylated 4-Nitrophenols as Antibacterial Agents Obtained from 5-Nitrosalicylaldehyde through a Petasis Boronoâ€“Mannich Reaction. ACS Omega, 2018, 3, 16191-16202.	1.6	9

#	ARTICLE	IF	CITATIONS
1180	Design, Synthesis, Molecular Modeling Study, and Antimicrobial Activity of Some Novel Pyrano[2,3- <i>b</i>]pyridine and Pyrrolo[2,3- <i>b</i>]pyrano[2,3- <i>d</i>]pyridine Derivatives. <i>Journal of Heterocyclic Chemistry</i> , 2019, 56, 406-416.	1.4	21
1181	Epigallocatechin Gallate Remodelling of Hfq Amyloid-Like Region Affects <i>Escherichia coli</i> Survival. <i>Pathogens</i> , 2018, 7, 95.	1.2	13
1182	Structure-function-guided exploration of the antimicrobial peptide polybia-CP identifies activity determinants and generates synthetic therapeutic candidates. <i>Communications Biology</i> , 2018, 1, 221.	2.0	111
1183	Novel Acetamide Indirectly Targets Mycobacterial Transporter MmpL3 by Proton Motive Force Disruption. <i>Frontiers in Microbiology</i> , 2018, 9, 2960.	1.5	28
1184	Antimicrobial properties of rosin acids-loaded nanoparticles against antibiotic-sensitive and antibiotic-resistant foodborne pathogens. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2018, 46, 414-422.	1.9	11
1185	Combined Antibacterial Effects of Goat Cathelicidins With Different Mechanisms of Action. <i>Frontiers in Microbiology</i> , 2018, 9, 2983.	1.5	24
1186	Cationic Silver Nanoclusters as Potent Antimicrobials against Multidrug-Resistant Bacteria. <i>ACS Omega</i> , 2018, 3, 16721-16727.	1.6	50
1187	Induction of Biofilm Formation in <i>Klebsiella pneumoniae</i> ATCC 13884 by Several Drugs: The Possible Role of Quorum Sensing Modulation. <i>Antibiotics</i> , 2018, 7, 103.	1.5	11
1188	Does a Conjugation Site Affect Transport of Vitamin B ₁₂ Peptide Nucleic Acid Conjugates into Bacterial Cells?. <i>Chemistry - A European Journal</i> , 2018, 24, 18772-18778.	1.7	12
1189	Rapid and efficient production of cecropin A antibacterial peptide in <i>Escherichia coli</i> by fusion with a self-aggregating protein. <i>BMC Biotechnology</i> , 2018, 18, 62.	1.7	16
1190	A Conformational Isomer of Soulattrolide from the Stem Bark of <i>Calophyllum symingtonianum</i> and Its Antibacterial Activity. <i>Natural Product Sciences</i> , 2018, 24, 47.	0.2	1
1191	Tuneable poration: host defense peptides as sequence probes for antimicrobial mechanisms. <i>Scientific Reports</i> , 2018, 8, 14926.	1.6	24
1192	Vancomycin resistance among <i>Staphylococcus aureus</i> isolates in a rural setting, Egypt. <i>Germs</i> , 2018, 8, 134-139.	0.5	22
1193	Elucidating the Catalytic Power of Glutamate Racemase by Investigating a Series of Covalent Inhibitors. <i>ChemMedChem</i> , 2018, 13, 2514-2521.	1.6	6
1194	Lectin-Conjugated Liposomes as Biocompatible, Bioadhesive Drug Carriers for the Management of Oral Ulcerative Lesions. <i>ACS Applied Bio Materials</i> , 2018, 1, 1487-1495.	2.3	21
1195	Association between possession of ExoU and antibiotic resistance in <i>Pseudomonas aeruginosa</i> . <i>PLoS ONE</i> , 2018, 13, e0204936.	1.1	40
1196	Triclosan loaded polyurethane micelles with pH and lipase sensitive properties for antibacterial applications and treatment of biofilms. <i>Materials Science and Engineering C</i> , 2018, 93, 921-930.	3.8	38
1197	UHPLC-MS-assisted characterization of bioactive alkaloids extracted from <i>Nitraria sibirica</i> leaves and enriched using response surface method and adsorption on macroporous resin. <i>Industrial Crops and Products</i> , 2018, 125, 529-536.	2.5	14

#	ARTICLE	IF	CITATIONS
1198	Investigation of Polyaniline and a Functionalised Derivative as Antimicrobial Additives to Create Contamination Resistant Surfaces. <i>Materials</i> , 2018, 11, 436.	1.3	16
1199	Green synthesis of some new thiopyrano[2,3- <i>d</i>][1,3]thiazoles using lemon juice and their antibacterial activity. <i>Synthetic Communications</i> , 2018, 48, 2496-2509.	1.1	12
1200	Antimicrobial peptide LL-37 and its truncated forms, GI-20 and GF-17, exert spermicidal effects and microbicidal activity against <i>Neisseria gonorrhoeae</i> . <i>Human Reproduction</i> , 2018, 33, 2175-2183.	0.4	14
1201	Characteristics of Emergence of Mutants Resistant to Nalidixic Acid and Novobiocin in <i>E. coli</i> Strains with <i>recA</i> and <i>lexA</i> Mutations. <i>Molecular Genetics, Microbiology and Virology</i> , 2018, 33, 30-33.	0.0	4
1202	Penetration of topically used antimicrobials through <i>Staphylococcus aureus</i> biofilms: A comparative study using different models. <i>Journal of Drug Delivery Science and Technology</i> , 2018, 48, 429-436.	1.4	9
1203	Identification of novel antimicrobial peptide from Asian sea bass (<i>Lates calcarifer</i>) by in silico and activity characterization. <i>PLoS ONE</i> , 2018, 13, e0206578.	1.1	26
1204	A Dual-Function Antibiotic-Transporter Conjugate Exhibits Superior Activity in Sterilizing MRSA Biofilms and Killing Persister Cells. <i>Journal of the American Chemical Society</i> , 2018, 140, 16140-16151.	6.6	109
1205	Purification and characterization of an antimicrobial protein from <i>Gastrodia elata</i> Blume tubers. <i>Tropical Journal of Pharmaceutical Research</i> , 2018, 17, 1717.	0.2	3
1206	<i>Tetrahymena</i> promotes interactive transfer of carbapenemase gene encoded in plasmid between fecal <i>Escherichia coli</i> and environmental <i>Aeromonas caviae</i> . <i>Microbiology and Immunology</i> , 2018, 62, 720-728.	0.7	7
1207	Recombinant AfusinC, an anionic fungal CS \pm ² defensin from <i>Aspergillus fumigatus</i> , exhibits antimicrobial activity against gram-positive bacteria. <i>PLoS ONE</i> , 2018, 13, e0205509.	1.1	12
1208	Measuring Bacterial Glycosyl Hydrolase Activity with a Soluble Capture Probe by Mass Spectrometry. <i>Analytical Chemistry</i> , 2018, 90, 12536-12543.	3.2	3
1209	Antimicrobial Mode-of-Action of Colloidal Ti ₃ C ₂ T _x MXene Nanosheets. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 16586-16596.	3.2	205
1210	Specific Enrichment and Proteomics Analysis of <i>Escherichia coli</i> Persisters from Rifampin Pretreatment. <i>Journal of Proteome Research</i> , 2018, 17, 3984-3996.	1.8	47
1211	Sarconesin: <i>Sarconesiopsis magellanica</i> Blowfly Larval Excretions and Secretions With Antibacterial Properties. <i>Frontiers in Microbiology</i> , 2018, 9, 2249.	1.5	18
1212	Biofilm-Inspired Encapsulation of Probiotics for the Treatment of Complex Infections. <i>Advanced Materials</i> , 2018, 30, e1803925.	11.1	93
1213	Improved expression of recombinant fusion defensin gene plasmids packed with chitosan-derived nanoparticles and effect on antibacteria and mouse immunity. <i>Experimental and Therapeutic Medicine</i> , 2018, 16, 3965-3972.	0.8	3
1214	Inactivation of <i>Salmonella</i> during dry co-digestion of food waste and pig manure. <i>Waste Management</i> , 2018, 82, 231-240.	3.7	32
1215	Genomics of experimental adaptation of <i>Staphylococcus aureus</i> to a natural combination of insect antimicrobial peptides. <i>Scientific Reports</i> , 2018, 8, 15359.	1.6	39

#	ARTICLE	IF	CITATIONS
1216	Simplified lipid II-binding antimicrobial peptides: Design, synthesis and antimicrobial activity of bioconjugates of nisin rings A and B with pore-forming peptides. <i>Bioorganic and Medicinal Chemistry</i> , 2018, 26, 5691-5700.	1.4	14
1217	A Computationally Designed Peptide Derived from <i>Escherichia coli</i> as a Potential Drug Template for Antibacterial and Antibiofilm Therapies. <i>ACS Infectious Diseases</i> , 2018, 4, 1727-1736.	1.8	30
1218	Bacillamidins A-G from a Marine-Derived <i>Bacillus pumilus</i> . <i>Marine Drugs</i> , 2018, 16, 326.	2.2	17
1219	Immunoaffinity Amperometric Detection of Bacterial Infections. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 14942-14946.	7.2	28
1220	Synthesis and properties of dithienylethene-functionalized switchable antibacterial agents. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 6988-6997.	1.5	23
1221	Efficiency of Biosynthesized Silver and Zinc Nanoparticles Against Multi-Drug Resistant Pathogens. <i>Frontiers in Microbiology</i> , 2018, 9, 2207.	1.5	90
1222	Synergy of nebulized phage PEV20 and ciprofloxacin combination against <i>Pseudomonas aeruginosa</i> . <i>International Journal of Pharmaceutics</i> , 2018, 551, 158-165.	2.6	63
1223	Antibacterial and anticancer potential of marine endophytic actinomycetes <i>Streptomyces coeruleorubidus</i> GRC 4 (KY457708) compound against colistin resistant uropathogens and A549 lung cancer cells. <i>Microbial Pathogenesis</i> , 2018, 125, 325-335.	1.3	40
1224	Antimicrobial peptides from C-terminal amphipathic region of <i>E. coli</i> FtsA. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2018, 1860, 2506-2514.	1.4	10
1225	A Comparative Study of Outer Membrane Proteome between Paired Colistin-Susceptible and Extremely Colistin-Resistant <i>Klebsiella pneumoniae</i> Strains. <i>ACS Infectious Diseases</i> , 2018, 4, 1692-1704.	1.8	15
1226	Expression of <i>Pseudomonas aeruginosa</i> Antibiotic Resistance Genes Varies Greatly during Infections in Cystic Fibrosis Patients. <i>Antimicrobial Agents and Chemotherapy</i> , 2018, 62, .	1.4	21
1227	Immunaffine amperometrische Detektion bakterieller Infektionen. <i>Angewandte Chemie</i> , 2018, 130, 15158-15162.	1.6	3
1228	Exposure to low doses of UVA increases biofilm formation in <i>Pseudomonas aeruginosa</i> . <i>Biofouling</i> , 2018, 34, 673-684.	0.8	18
1229	Resistance to pentamidine is mediated by AdeAB, regulated by AdeRS, and influenced by growth conditions in <i>Acinetobacter baumannii</i> ATCC 17978. <i>PLoS ONE</i> , 2018, 13, e0197412.	1.1	27
1230	A water-soluble silver(I) formulation as an effective disinfectant of contact lenses cases. <i>Materials Science and Engineering C</i> , 2018, 93, 902-910.	3.8	12
1231	Architectural Effects of Star-Shaped Structurally Nanoengineered Antimicrobial Peptide Polymers (SNAPPs) on Their Biological Activity. <i>Advanced Healthcare Materials</i> , 2018, 7, e1800627.	3.9	44
1232	Structure-activity relationship study of the antimicrobial CRAMP-derived peptide CRAMP20-33. <i>Peptides</i> , 2018, 109, 33-38.	1.2	6
1233	Structural, Spectroscopic, Antimicrobial Activity and DFT Studies on 4-Methyl-N-(4-methylphenylsulfonyl)-N-phenylbenzenesulfonamide. <i>Optics and Spectroscopy (English)</i> Tj ETQq1 1 0.284314 rgBT /Ov	0.2	0

#	ARTICLE	IF	CITATIONS
1234	Chemical profile and in-vitro pharmacological activities of yellow pigment extracted from <i>Arthrobacter gandavensis</i> . <i>Process Biochemistry</i> , 2018, 75, 74-82.	1.8	6
1235	In vitro study on the anti-microbial efficacy of Aloe vera against <i>Candida albicans</i> . <i>African Journal of Microbiology Research</i> , 2018, 12, 930-937.	0.4	2
1236	Discovery of the Tiansilactone Antibiotics by Genome Mining of Atypical Bacterial Type II Diterpene Synthases. <i>ChemBioChem</i> , 2018, 19, 1727-1733.	1.3	18
1237	The inhibitory effect of the combination of two new peptides on biofilm formation by <i>Acinetobacter baumannii</i> . <i>Microbial Pathogenesis</i> , 2018, 121, 310-317.	1.3	17
1238	Antimicrobial Peptides Produced by Selective Pressure Incorporation of Non-canonical Amino Acids. <i>Journal of Visualized Experiments</i> , 2018, , .	0.2	7
1239	Antibiotic-resistant bacteria show widespread collateral sensitivity to antimicrobial peptides. <i>Nature Microbiology</i> , 2018, 3, 718-731.	5.9	325
1240	Phenotyping antibiotic resistance with single-cell resolution for the detection of heteroresistance. <i>Sensors and Actuators B: Chemical</i> , 2018, 270, 396-404.	4.0	41
1241	Protein-Based Nanoparticles for the Delivery of Enzymes with Antibacterial Activity. <i>Macromolecular Rapid Communications</i> , 2018, 39, e1800186.	2.0	19
1242	Development and evaluation of cationic amphiphilic antimicrobial 2,5-diketopiperazines. <i>Journal of Peptide Science</i> , 2018, 24, e3090.	0.8	16
1243	Effect of Composition on Antibacterial Activity of Sequence-Defined Cationic Oligothioetheramides. <i>ACS Infectious Diseases</i> , 2018, 4, 1257-1263.	1.8	19
1244	Effect of Polyvalence on the Antibacterial Activity of a Synthetic Peptide Derived from Bovine Lactoferricin against Healthcare-Associated Infectious Pathogens. <i>BioMed Research International</i> , 2018, 2018, 1-12.	0.9	12
1245	Recent advances in the use of photochromic dyes for photocontrol in biomedicine. <i>Coordination Chemistry Reviews</i> , 2018, 372, 66-84.	9.5	80
1246	Physical, antibacterial and antioxidant properties of chitosan films containing hardleaf oatchestnut starch and <i>Litsea cubeba</i> oil. <i>International Journal of Biological Macromolecules</i> , 2018, 118, 707-715.	3.6	36
1247	Accelerating molecular discovery through data and physical sciences: Applications to peptide-membrane interactions. <i>Journal of Chemical Physics</i> , 2018, 148, 241744.	1.2	10
1248	Lipopeptides from <i>Bacillus</i> sp. EA-CB0959: Active metabolites responsible for in vitro and in vivo control of <i>Ralstonia solanacearum</i> . <i>Biological Control</i> , 2018, 125, 20-28.	1.4	30
1249	Synthesis, Biological Evaluation, and Molecular Docking of Novel Thiazoles and [1,3,4]Thiadiazoles Incorporating Sulfonamide Group as DHFR Inhibitors. <i>Chemistry and Biodiversity</i> , 2018, 15, e1800231.	1.0	11
1250	Synthesis and Characterization of Cobalt(III) and Copper(II) Complexes of 2-((E)-(6-Fluorobenzo[d]thiazol-2-ylimino) methyl)-4-chlorophenol: DNA Binding and Nuclease Studies SOD and Antimicrobial Activities. <i>International Journal of Spectroscopy</i> , 2018, 2018, 1-15.	1.4	27
1251	Evaluation of different salts for the control of lettuce varnish spot: when phytotoxicity rules. <i>Canadian Journal of Plant Science</i> , 2018, 98, 753-761.	0.3	6

#	ARTICLE	IF	CITATIONS
1252	Graphene Oxide-Assisted Accumulation and Layer-by-Layer Assembly of Antibacterial Peptide for Sustained Release Applications. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 24937-24946.	4.0	33
1253	Kainari, a Unique Greek Traditional Herbal Tea, from the Island of Lesvos: Chemical Analysis and Antioxidant and Antimicrobial Properties. <i>Evidence-based Complementary and Alternative Medicine</i> , 2018, 2018, 1-7.	0.5	4
1254	Hyporientalin A, an anti-Candida peptaibol from a marine <i>Trichoderma orientale</i> . <i>World Journal of Microbiology and Biotechnology</i> , 2018, 34, 98.	1.7	28
1255	Synergy between conventional antibiotics and anti-biofilm peptides in a murine, sub-cutaneous abscess model caused by recalcitrant ESKAPE pathogens. <i>PLoS Pathogens</i> , 2018, 14, e1007084.	2.1	160
1256	Sulfonamido-2-arylbenzoxazole GroEL/ES Inhibitors as Potent Antibacterials against Methicillin-Resistant <i>Staphylococcus aureus</i> (MRSA). <i>Journal of Medicinal Chemistry</i> , 2018, 61, 7345-7357.	2.9	35
1257	The Road from Host-Defense Peptides to a New Generation of Antimicrobial Drugs. <i>Molecules</i> , 2018, 23, 311.	1.7	97
1258	An acidic model pro-peptide affects the secondary structure, membrane interactions and antimicrobial activity of a crotalidin fragment. <i>Scientific Reports</i> , 2018, 8, 11127.	1.6	10
1259	Polyester-based particles to overcome the obstacles of mucus and biofilms in the lung for tobramycin application under static and dynamic fluidic conditions. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2018, 131, 120-129.	2.0	42
1260	Mercaptoprimidine-Conjugated Gold Nanoclusters as Nanoantibiotics for Combating Multidrug-Resistant Superbugs. <i>Bioconjugate Chemistry</i> , 2018, 29, 3094-3103.	1.8	80
1261	In Vitro/Vivo Activity of Potential MCR-1 Inhibitor in Combination With Colistin Againsts mcr-1-Positive <i>Klebsiella pneumoniae</i> . <i>Frontiers in Microbiology</i> , 2018, 9, 1615.	1.5	23
1262	Eradication of <i>Enterococcus faecalis</i> and <i>Candida albicans</i> Biofilms by <i>Cinnamomum cassia</i> Essential Oil Solution as a Root Canal Irrigant. <i>Natural Products Journal</i> , 2018, 8, 54-60.	0.1	0
1263	Discovery of multi-drug resistant, MCR-1 and ESBL-coproducing ST117 <i>Escherichia coli</i> from diseased chickens in northeast China. <i>Science Bulletin</i> , 2018, 63, 1059-1066.	4.3	11
1264	Linear Analogues of the Lipopeptide Battacin With Potent In Vitro Activity Against <i>S. aureus</i> . <i>Advances in Protein Chemistry and Structural Biology</i> , 2018, 112, 385-394.	1.0	5
1265	Mitigation of microbiologically influenced corrosion of 304L stainless steel in the presence of <i>Pseudomonas aeruginosa</i> by <i>Cistus ladanifer</i> leaves extract. <i>International Biodeterioration and Biodegradation</i> , 2018, 133, 159-169.	1.9	58
1266	Molecular identification and control of endophytic contamination during in vitro plantlet development of <i>Fagonia indica</i> . <i>Acta Physiologiae Plantarum</i> , 2018, 40, 1.	1.0	12
1267	Shelf life improvement of idli batter by addition of mustard essential oil as bio-preservative. <i>Journal of Food Science and Technology</i> , 2018, 55, 3417-3426.	1.4	9
1268	Identification and Validation of an Antivirulence Agent Targeting HlyU-Regulated Virulence in <i>Vibrio vulnificus</i> . <i>Frontiers in Cellular and Infection Microbiology</i> , 2018, 8, 152.	1.8	24
1269	Design, Synthesis and Evaluation of Branched RRWQWR-Based Peptides as Antibacterial Agents Against Clinically Relevant Gram-Positive and Gram-Negative Pathogens. <i>Frontiers in Microbiology</i> , 2018, 9, 329.	1.5	15

#	ARTICLE	IF	CITATIONS
1270	Synergistic Effect of Diallyl Sulfide With Zinc Oxide Nanorods: A Novel and Effective Approach for Treatment of Acute Dermatitis in Model Animals. <i>Frontiers in Microbiology</i> , 2018, 9, 586.	1.5	19
1271	LyeTxI-b, a Synthetic Peptide Derived From <i>Lycosa erythrognatha</i> Spider Venom, Shows Potent Antibiotic Activity in Vitro and in Vivo. <i>Frontiers in Microbiology</i> , 2018, 9, 667.	1.5	28
1272	The higBA Toxin-Antitoxin Module From the Opportunistic Pathogen <i>Acinetobacter baumannii</i> – Regulation, Activity, and Evolution. <i>Frontiers in Microbiology</i> , 2018, 9, 732.	1.5	22
1273	Antibiotic Use in Agriculture and Its Consequential Resistance in Environmental Sources: Potential Public Health Implications. <i>Molecules</i> , 2018, 23, 795.	1.7	799
1274	The inhibitory and binding studies of methyl-sulfone hydroxamate based inhibitors against LpxC from drug resistant <i>Moraxella catarrhalis</i> using biophysical, biochemical and in silico approaches. <i>International Journal of Biological Macromolecules</i> , 2018, 118, 1747-1762.	3.6	3
1275	Potential bactericidal activity of <i>S. nux-vomica</i> – ZnO nanocomposite against multidrug-resistant bacterial pathogens and wound-healing properties. <i>Journal of Trace Elements in Medicine and Biology</i> , 2018, 50, 229-239.	1.5	12
1276	Improving the Activity of Trp-Rich Antimicrobial Peptides by Arg/Lys Substitutions and Changing the Length of Cationic Residues. <i>Biomolecules</i> , 2018, 8, 19.	1.8	85
1277	Critical Assessment of Methods to Quantify Biofilm Growth and Evaluate Antibiofilm Activity of Host Defence Peptides. <i>Biomolecules</i> , 2018, 8, 29.	1.8	170
1278	Antibacterial Free Fatty Acids and Monoglycerides: Biological Activities, Experimental Testing, and Therapeutic Applications. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1114.	1.8	325
1279	Quantitative Assessment of Antimicrobial Activity of PLGA Films Loaded with 4-Hexylresorcinol. <i>Journal of Functional Biomaterials</i> , 2018, 9, 4.	1.8	30
1280	New Antibacterial Phenone Derivatives Asperphenone A – C from Mangrove-Derived Fungus <i>Aspergillus</i> sp. YHZ-1. <i>Marine Drugs</i> , 2018, 16, 45.	2.2	14
1281	Role of Cationic Side Chains in the Antimicrobial Activity of C18G. <i>Molecules</i> , 2018, 23, 329.	1.7	42
1282	Identification of 2,4-Dihydroxychalcone as an Antivirulence Agent Targeting HlyU, a Master Virulence Regulator in <i>Vibrio vulnificus</i> . <i>Molecules</i> , 2018, 23, 1492.	1.7	6
1283	Magnetically Separable Fe ₃ O ₄ @CdS Type-II Nanohybrids with Excellent Photocatalytic Activity and Antibacterial Properties. <i>ChemPlusChem</i> , 2018, 83, 769-779.	1.3	6
1284	Antimicrobial peptides from different plant sources: Isolation, characterisation, and purification. <i>Phytochemistry</i> , 2018, 154, 94-105.	1.4	88
1285	Imidazole-molecule-capped chitosan – gold nanocomposites with enhanced antimicrobial activity for treating biofilm-related infections. <i>Journal of Colloid and Interface Science</i> , 2018, 531, 269-281.	5.0	41
1286	Membrane adaptation limitations in <i>Enterococcus faecalis</i> underlie sensitivity and the inability to develop significant resistance to conjugated oligoelectrolytes. <i>RSC Advances</i> , 2018, 8, 10284-10293.	1.7	15
1287	The antimicrobial action of polyaniline involves production of oxidative stress while functionalisation of polyaniline introduces additional mechanisms. <i>PeerJ</i> , 2018, 6, e5135.	0.9	36

#	ARTICLE	IF	CITATIONS
1288	Trimetallic Au/Pt/Ag based nanofluid for enhanced antibacterial response. <i>Materials Chemistry and Physics</i> , 2018, 218, 10-17.	2.0	59
1289	Synthesis, spectral, structural characterization and biological activity of new palladium(II) complexes containing 3- <i>acetyl-8-methoxy-2-hydroxychromen-2-one</i> derived Schiff bases. <i>Applied Organometallic Chemistry</i> , 2018, 32, e4466.		13
1290	Membrane-lytic actions of sulphonated methyl ester surfactants and implications to bactericidal effect and cytotoxicity. <i>Journal of Colloid and Interface Science</i> , 2018, 531, 18-27.	5.0	25
1291	Antimicrobial polymers as therapeutics for treatment of multidrug-resistant <i>Klebsiella pneumoniae</i> lung infection. <i>Acta Biomaterialia</i> , 2018, 78, 78-88.	4.1	68
1292	The minimum inhibitory concentration (MIC) assay with <i>Escherichia coli</i> : An early tier in the environmental hazard assessment of nanomaterials?. <i>Ecotoxicology and Environmental Safety</i> , 2018, 162, 633-646.	2.9	34
1293	Anthocidins A ^D , New 5-Hydroxyanthranilic Acid Related Metabolites from the Sea Urchin-Associated Actinobacterium, <i>Streptomyces</i> sp. HDa1. <i>Molecules</i> , 2018, 23, 1032.	1.7	6
1294	Thiazoles with cyclopropyl fragment as antifungal, anticonvulsant, and anti- <i>Toxoplasma gondii</i> agents: synthesis, toxicity evaluation, and molecular docking study. <i>Medicinal Chemistry Research</i> , 2018, 27, 2125-2140.	1.1	28
1295	Rethinking urinary antibiotic breakpoints: analysis of urinary antibiotic concentrations to treat multidrug resistant organisms. <i>BMC Research Notes</i> , 2018, 11, 497.	0.6	8
1296	Huanglongmycin A-C, Cytotoxic Polyketides Biosynthesized by a Putative Type II Polyketide Synthase From <i>Streptomyces</i> sp. CB09001. <i>Frontiers in Chemistry</i> , 2018, 6, 254.	1.8	28
1297	Anti-methicillin-resistance <i>Staphylococcus aureus</i> (MRSA) compounds from <i>Bauhinia kockiana</i> Korth. And their mechanism of antibacterial activity. <i>BMC Complementary and Alternative Medicine</i> , 2018, 18, 70.	3.7	35
1298	Total Synthesis of Teixobactin. <i>Springer Theses</i> , 2018, , 33-69.	0.0	2
1299	New hydrazide-hydrazones and 1,3-thiazolidin-4-ones with 3-hydroxy-2-naphthoic moiety: Synthesis, in vitro and in vivo studies. <i>Biomedicine and Pharmacotherapy</i> , 2018, 103, 1337-1347.	2.5	33
1300	Enhanced Antibacterial Activity of Curcumin by Combination With Metal Ions. <i>Colloids and Interface Science Communications</i> , 2018, 25, 1-6.	2.0	41
1301	Prevention of ESKAPE pathogen biofilm formation by antimicrobial peptides WLBU2 and LL37. <i>International Journal of Antimicrobial Agents</i> , 2018, 52, 667-672.	1.1	81
1303	Synthesis and cellular penetration properties of new phosphonium based cationic amphiphilic peptides. <i>MedChemComm</i> , 2018, 9, 982-987.	3.5	6
1304	Synthesis, biophysical and functional studies of two BP100 analogues modified by a hydrophobic chain and a cyclic peptide. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2018, 1860, 1502-1516.	1.4	20
1305	LL37 fragments have antimicrobial activity against <i>Staphylococcus epidermidis</i> biofilms and wound healing potential in HaCaT cell line. <i>Journal of Peptide Science</i> , 2018, 24, e3080.	0.8	38
1307	Design and production of a novel antimicrobial fusion protein in <i>Escherichia coli</i> . <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 8763-8772.	1.7	10

#	ARTICLE	IF	CITATIONS
1308	Liquid chromatographic techniques in betacyanin isomers separation from <i>Gomphrena globosa</i> L. flowers for the determination of their antimicrobial activities. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 161, 83-93.	1.4	13
1309	Concentration-Dependent, Membrane-Selective Activity of Human LL37 Peptides Modified with Collagen Binding Domain Sequences. <i>Biomacromolecules</i> , 2018, 19, 4513-4523.	2.6	13
1310	Mycobacterial Cell Wall Synthesis Inhibitors Cause Lethal ATP Burst. <i>Frontiers in Microbiology</i> , 2018, 9, 1898.	1.5	53
1311	Mutations causing low level antibiotic resistance ensure bacterial survival in antibiotic-treated hosts. <i>Scientific Reports</i> , 2018, 8, 12512.	1.6	56
1312	Milling the Mistletoe: Nanotechnological Conversion of African Mistletoe (<i>Loranthus micranthus</i>) Intoantimicrobial Materials. <i>Antioxidants</i> , 2018, 7, 60.	2.2	12
1313	Synthesis of 1,2,3-triazole linked 4(3H)-Quinazolinones as potent antibacterial agents against multidrug-resistant <i>Staphylococcus aureus</i> . <i>European Journal of Medicinal Chemistry</i> , 2018, 157, 1056-1067.	2.6	48
1314	Rhamnelloides A and B, 1-Phenylpentaene Fatty Acid Amide Diglycosides from the Fruits of <i>Rhamnella franguloides</i> . <i>Molecules</i> , 2018, 23, 752.	1.7	3
1315	Biogenic production of silver nanoparticles by <i>Enterobacter cloacae</i> Ism26. <i>Turkish Journal of Biology</i> , 2018, 42, 319-321.	2.1	21
1316	Selective fluorescence sensing of Cu(II) ions using calix[4]pyrrole fabricated Ag nanoparticles: A spectroscopic and computational approach. <i>Journal of Molecular Liquids</i> , 2018, 269, 467-475.	2.3	13
1317	Polyprodrug Antimicrobials: Remarkable Membrane Damage and Concurrent Drug Release to Combat Antibiotic Resistance of Methicillin-Resistant <i>Staphylococcus aureus</i> . <i>Small</i> , 2018, 14, e1802008.	5.2	67
1318	Combined proteomic and functional analysis reveals rich sources of protein diversity in skin mucus and venom from the <i>Scorpaena plumieri</i> fish. <i>Journal of Proteomics</i> , 2018, 187, 200-211.	1.2	17
1319	Co-Delivery of Ciprofloxacin and Colistin in Liposomal Formulations with Enhanced In Vitro Antimicrobial Activities against Multidrug Resistant <i>Pseudomonas aeruginosa</i> . <i>Pharmaceutical Research</i> , 2018, 35, 187.	1.7	37
1320	Molecular mechanisms of thioridazine resistance in <i>Staphylococcus aureus</i> . <i>PLoS ONE</i> , 2018, 13, e0201767.	1.1	12
1321	Synergy on Surfaces: Anti-Biofouling Interfaces Using Surface-Attached Antimicrobial Peptides PGLa and Magainin-2. <i>Langmuir</i> , 2018, 34, 11147-11155.	1.6	21
1322	Identification of Novel Cryptic Multifunctional Antimicrobial Peptides from the Human Stomach Enabled by a Computational-Experimental Platform. <i>ACS Synthetic Biology</i> , 2018, 7, 2105-2115.	1.9	63
1323	Characterization of the β -defensin genes in giant panda. <i>Scientific Reports</i> , 2018, 8, 12308.	1.6	7
1324	Isolation of Toxigenic <i>Clostridium difficile</i> from Animal Manure and Composts Being Used as Biological Soil Amendments. <i>Applied and Environmental Microbiology</i> , 2018, 84, .	1.4	30
1325	Nanometric neem oil emulsification through microfluidization, and its therapeutic potential against <i>Aeromonas culicicola</i> infection in <i>Cyprinus carpio</i> . <i>Flavour and Fragrance Journal</i> , 2018, 33, 340-350.	1.2	6

#	ARTICLE	IF	CITATIONS
1327	Few Conserved Amino Acids in the Small Multidrug Resistance Transporter EmrE Influence Drug Polyselectivity. <i>Antimicrobial Agents and Chemotherapy</i> , 2018, 62, .	1.4	22
1328	Influences of disulfide connectivity on structure and antimicrobial activity of tachyplesin I. <i>Journal of Peptide Science</i> , 2018, 24, e3087.	0.8	10
1329	Identification, Characterization, Immunolocalization, and Biological Activity of Lucilin Peptide. <i>Acta Tropica</i> , 2018, 185, 318-326.	0.9	13
1330	Acyclic peptides incorporating the <sc>d</sc>-Phe-Abz turn motif: Investigations on antimicrobial activity and propensity to adopt β -hairpin conformations. <i>Journal of Peptide Science</i> , 2018, 24, e3094.	0.8	5
1331	μ -Poly(L-lysine)-based Hydrogels with Fast-acting and Prolonged Antibacterial Activities. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2018, 36, 1239-1250.	2.0	51
1332	Dual function of EDTA with silver nanoparticles for root canal treatment—A novel modification. <i>PLoS ONE</i> , 2018, 13, e0190866.	1.1	25
1333	Distribution of biocide resistant genes and biocides susceptibility in multidrug-resistant <i>Klebsiella pneumoniae</i> , <i>Pseudomonas aeruginosa</i> and <i>Acinetobacter baumannii</i> —A first report from the Kingdom of Saudi Arabia. <i>Journal of Infection and Public Health</i> , 2018, 11, 812-816.	1.9	45
1334	Exploring the role of unnatural amino acids in antimicrobial peptides. <i>Scientific Reports</i> , 2018, 8, 8888.	1.6	76
1335	Polyphenolic Content, Antioxidant and Antimicrobial Activities of <i>Vernonia mespilifolia</i> Less. Used in Folk Medicine in the Eastern Cape Province, South Africa. <i>Journal of Evidence-based Integrative Medicine</i> , 2018, 23, 2515690X1877399.	1.4	23
1336	New Pd(II) schiff base complexes derived from ortho-vanillin and -tyrosine or -glutamic acid: Synthesis, characterization, crystal structures and biological properties. <i>Polyhedron</i> , 2018, 151, 465-477.	1.0	18
1337	Short-Form Bomanins Mediate Humoral Immunity in <i>Drosophila</i> . <i>Journal of Innate Immunity</i> , 2018, 10, 306-314.	1.8	68
1338	Synthesis, antibacterial, and antibiofilm potential of human autophagy 16 polypeptide and analogues. <i>Peptide Science</i> , 2018, 110, e24076.	1.0	3
1339	Human apolipoprotein E as a reservoir of cryptic bioactive peptides: The case of ApoE 133-167. <i>Journal of Peptide Science</i> , 2018, 24, e3095.	0.8	28
1340	Biosynthesis of thiocarboxylic acid-containing natural products. <i>Nature Communications</i> , 2018, 9, 2362.	5.8	26
1341	A Novel <i>aadA</i> Aminoglycoside Resistance Gene in Bovine and Porcine Pathogens. <i>MSphere</i> , 2018, 3, .	1.3	19
1342	Joker: An algorithm to insert patterns into sequences for designing antimicrobial peptides. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2018, 1862, 2043-2052.	1.1	53
1343	Pharmacological and toxicological study of a chemical-standardized ethanol extract of the branches and leaves from <i>Eysenhardtia polystachya</i> (Ortega) Sarg. (Fabaceae). <i>Journal of Ethnopharmacology</i> , 2018, 224, 314-322.	2.0	16
1344	Antimicrobial Potential of Fungal Endophytes from <i>Moringa oleifera</i> . <i>Applied Biochemistry and Biotechnology</i> , 2019, 187, 628-648.	1.4	24

#	ARTICLE	IF	CITATIONS
1345	The first report on the in vitro antimicrobial activities of extracts of leaves of <i>Ehretia serrata</i> . Saudi Journal of Biological Sciences, 2019, 26, 1253-1261.	1.8	9
1346	Increasing the Antimicrobial Activity of Amphiphilic Cationic Copolymers by the Facile Synthesis of High Molecular Weight Stars by Supplemental Activator and Reducing Agent Atom Transfer Radical Polymerization. Biomacromolecules, 2019, 20, 1146-1156.	2.6	38
1347	A new flavonoid derivative and a new 5-hydroxyanthranilic acid derivative from the sea urchin-derived <i>Streptomyces</i> sp. HDa1. Journal of Asian Natural Products Research, 2019, 21, 992-998.	0.7	6
1348	Combined experimental and theoretical studies on the chemical and spectroscopic properties of an antimicrobial N-(Phenyl)dimethylsulfonylimide. Journal of Molecular Structure, 2019, 1175, 542-550.	1.8	10
1349	Identification and Antibiotic Susceptibility Profiling of Infectious Bacterial Agents: A Review of Current and Future Trends. Biotechnology Journal, 2019, 14, e1700750.	1.8	105
1350	Facile green synthesis of zinc oxide nanoparticles (ZnO NPs): antibacterial and photocatalytic activities. Materials Research Express, 2019, 6, 1050b4.	0.8	36
1351	Integrated genomic epidemiology and phenotypic profiling of <i>Clostridium difficile</i> across intra-hospital and community populations in Colombia. Scientific Reports, 2019, 9, 11293.	1.6	12
1352	Fatty acid starvation activates RelA by depleting lysine precursor pyruvate. Molecular Microbiology, 2019, 112, 1339-1349.	1.2	26
1353	Designing and optimizing new antimicrobial peptides: all targets are not the same. Critical Reviews in Clinical Laboratory Sciences, 2019, 56, 351-373.	2.7	35
1354	Theaflavin-3,3-Digallate Suppresses Biofilm Formation, Acid Production, and Acid Tolerance in <i>Streptococcus mutans</i> by Targeting Virulence Factors. Frontiers in Microbiology, 2019, 10, 1705.	1.5	14
1355	Evaluation of the antibacterial activity of skin mucus of three carp species. International Aquatic Research, 2019, 11, 225-239.	1.5	34
1356	Outer Membrane Interaction Kinetics of New Polymyxin B Analogs in Gram-Negative Bacilli. Antimicrobial Agents and Chemotherapy, 2019, 63, .	1.4	43
1357	Antibacterial activity of compounds isolated from <i>Caesalpinia coriaria</i> (Jacq) Willd against important bacteria in public health. Microbial Pathogenesis, 2019, 136, 103660.	1.3	21
1358	Efficacy of a ciprofloxacin/amikacin combination against planktonic and biofilm cultures of susceptible and low-level resistant <i>Pseudomonas aeruginosa</i> . Journal of Antimicrobial Chemotherapy, 2019, 74, 3252-3259.	1.3	6
1359	Antibacterial Silver Nanomaterial Synthesis From <i>Mesoflavibacter zeaxanthinifaciens</i> and Targeting Biofilm Formation. Frontiers in Pharmacology, 2019, 10, 801.	1.6	50
1360	Identification of Novel Antibacterials Using Machine Learning Techniques. Frontiers in Pharmacology, 2019, 10, 913.	1.6	28
1361	Biodiesel production from <i>Ulva linza</i> , <i>Ulva tubulosa</i> , <i>Ulva fasciata</i> , <i>Ulva rigida</i> , <i>Ulva reticulata</i> by using Mn ₂ ZnO ₄ heterogenous nanocatalysts. Fuel, 2019, 255, 115744.	3.4	17
1362	Identification of A Novel Antibacterial Peptide from Atlantic Mackerel belonging to the GAPDH-Related Antimicrobial Family and Its In Vitro Digestibility. Marine Drugs, 2019, 17, 413.	2.2	23

#	ARTICLE	IF	CITATIONS
1363	Cholic Acid-Derived Amphiphile which Combats Gram-Positive Bacteria-Mediated Infections via Disintegration of Lipid Clusters. <i>ACS Biomaterials Science and Engineering</i> , 2019, 5, 4764-4775.	2.6	22
1364	A novel Zn chelate (TSOL) that moves systemically in citrus plants inhibits growth and biofilm formation of bacterial pathogens. <i>PLoS ONE</i> , 2019, 14, e0218900.	1.1	6
1365	A green approach towards formulation, characterization, and antimicrobial activity of poly (Lactic-co-Glycolic) acid- <i>Alstonia scholaris</i> based nanoparticle. <i>Materials Research Express</i> , 2019, 6, 095325.	0.8	7
1366	HprK _{Xcc} is a serine kinase that regulates virulence in the Gram-negative phytopathogen <i>Xanthomonas campestris</i> . <i>Environmental Microbiology</i> , 2019, 21, 4504-4520.	1.8	5
1367	Amidated pleurocidin peptide encapsulated in biodegradable poly(lactide-co-glycolide) microparticles sustains its antibacterial activity against <i>Photobacterium damsela</i> subsp. <i>piscicida</i> in cobia. <i>Aquaculture</i> , 2019, 512, 734290.	1.7	2
1368	Medicinal leech antimicrobial peptides lacking toxicity represent a promising alternative strategy to combat antibiotic-resistant pathogens. <i>European Journal of Medicinal Chemistry</i> , 2019, 180, 143-153.	2.6	17
1369	Whole Slide Imaging for High-Throughput Sensing Antibiotic Resistance at Single-Bacterium Level and Its Application to Rapid Antibiotic Susceptibility Testing. <i>Molecules</i> , 2019, 24, 2441.	1.7	10
1370	Clonal and drug resistance dynamics of methicillin-resistant <i>Staphylococcus aureus</i> in pediatric populations in China. <i>Pediatric Investigation</i> , 2019, 3, 72-80.	0.6	6
1371	Marine Polysaccharides: Biomedical and Tissue Engineering Applications. <i>Springer Series in Biomaterials Science and Engineering</i> , 2019, , 443-487.	0.7	7
1372	Essential Oil of Algerian <i>Eryngium campestre</i> : Chemical Variability and Evaluation of Biological Activities. <i>Molecules</i> , 2019, 24, 2575.	1.7	23
1373	Mycosfurans A and B, Antibacterial Usnic Acid Congeners from the Fungus <i>Mycosphaerella</i> sp., Isolated from a Marine Sediment. <i>Marine Drugs</i> , 2019, 17, 422.	2.2	13
1374	Biosynthesis of Silver Nanoparticles Mediated by Extracellular Pigment from <i>Talaromyces purpurogenus</i> and Their Biomedical Applications. <i>Nanomaterials</i> , 2019, 9, 1042.	1.9	69
1375	Prevention of urinary catheter-associated infections by coating antimicrobial peptides from crowberry endophytes. <i>Scientific Reports</i> , 2019, 9, 10753.	1.6	51
1376	Design, Synthesis and Biological Evaluation of 1-Phenyl-2-(phenylamino) Ethanone Derivatives as Novel MCR-1 Inhibitors. <i>Molecules</i> , 2019, 24, 2719.	1.7	17
1377	2-Pyrazol-1-yl-thiazole derivatives as novel highly potent antibacterials. <i>Journal of Antibiotics</i> , 2019, 72, 827-833.	1.0	7
1378	Fitness Restoration of a Genetically Tractable <i>Enterococcus faecalis</i> V583 Derivative To Study Decoration-Related Phenotypes of the Enterococcal Polysaccharide Antigen. <i>MSphere</i> , 2019, 4, .	1.3	6
1379	Î©76: A designed antimicrobial peptide to combat carbapenem- and tigecycline-resistant <i>Acinetobacter baumannii</i> . <i>Science Advances</i> , 2019, 5, eaax1946.	4.7	64
1380	Synthesis and DT_{50} cytotoxicity of A-Azepanobetulinic Acid N-Methyl-Piperazinylamide. <i>Natural Product Communications</i> , 2019, 14, 1934578X1986067.	0.2	6

#	ARTICLE	IF	CITATIONS
1381	Mode of action of the antimicrobial peptide Mel4 is independent of Staphylococcus aureus cell membrane permeability. PLoS ONE, 2019, 14, e0215703.	1.1	64
1382	Correlating Lipid Membrane Permeabilities of Imidazolium Ionic Liquids with their Cytotoxicities on Yeast, Bacterial, and Mammalian Cells. Biomolecules, 2019, 9, 251.	1.8	37
1383	A non-beta-lactam antibiotic inhibitor for enterohemorrhagic Escherichia coli O104:H4. Journal of Molecular Medicine, 2019, 97, 1285-1297.	1.7	6
1384	Rifamycin derivatives active against pathogenic rapidly-growing mycobacteria. Bioorganic and Medicinal Chemistry Letters, 2019, 29, 2112-2115.	1.0	10
1385	Determining antimicrobial susceptibility in Salmonella enterica serovar Typhimurium through whole genome sequencing: a comparison against multiple phenotypic susceptibility testing methods. BMC Microbiology, 2019, 19, 148.	1.3	20
1386	Comparison Study on Antimicrobial and Photocatalytic Activity of Different Shaped ZnO Nanoparticles. Solid State Phenomena, 2019, 288, 87-97.	0.3	1
1387	Klinisch-Spektroskopische Diagnostik bei Infektion und Sepsis. , 2019, , 293-301.		0
1388	Inducible Plasmid Self-Destruction (IPSD) Assisted Genome Engineering in Lactobacilli and Bifidobacteria. ACS Synthetic Biology, 2019, 8, 1723-1729.	1.9	27
1389	Testing a Human Antimicrobial RNase Chimera Against Bacterial Resistance. Frontiers in Microbiology, 2019, 10, 1357.	1.5	10
1390	Pathogen-Specific Polymeric Antimicrobials with Significant Membrane Disruption and Enhanced Photodynamic Damage To Inhibit Highly Opportunistic Bacteria. ACS Nano, 2019, 13, 1511-1525.	7.3	91
1391	IsCTA ₆ -based analogs intending better biological activity. Journal of Peptide Science, 2019, 25, e3219.	0.8	6
1392	<i>In vitro</i>Antimicrobial Activity Evaluation of Metal Oxide Nanoparticles. , 0, ,		22
1393	Staphylococcus aureus Internalized by Skin Keratinocytes Evade Antibiotic Killing. Frontiers in Microbiology, 2019, 10, 2242.	1.5	34
1394	Preparation and evaluation of a new biopesticide solution candidate for plant disease control using pexiganan gene and Pichia pastoris expression system. Gene Reports, 2019, 17, 100509.	0.4	9
1395	Geobacillin 26 - high molecular weight bacteriocin from a thermophilic bacterium. International Journal of Biological Macromolecules, 2019, 141, 333-344.	3.6	12
1396	BioSAXS Measurements Reveal That Two Antimicrobial Peptides Induce Similar Molecular Changes in Gram-Negative and Gram-Positive Bacteria. Frontiers in Pharmacology, 2019, 10, 1127.	1.6	14
1397	A new diketopiperazine from an endophytic fungus <i>Aspergillus aculeatus</i> F027. Natural Product Research, 2021, 35, 2370-2375.	1.0	9
1398	Differential Susceptibility of Catheter Biomaterials to Biofilm-Associated Infections and Their Remedy by Drug-Encapsulated Eudragit RL100 Nanoparticles. International Journal of Molecular Sciences, 2019, 20, 5110.	1.8	19

#	ARTICLE	IF	CITATIONS
1399	Sub-Inhibitory Clindamycin and Azithromycin reduce <i>S. aureus</i> Exoprotein Induced Toxicity, Inflammation, Barrier Disruption and Invasion. <i>Journal of Clinical Medicine</i> , 2019, 8, 1617.	1.0	18
1400	Fabrication of the antibiotic-releasing gelatin/PMMA bone cement. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 183, 110448.	2.5	38
1401	Control of Citrus Canker in Greenhouse and Field with a Zinc, Urea, and Peroxide Ternary Solution. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 12393-12401.	2.4	10
1402	<p>Functional Synergy Of Antimicrobial Peptides And Chlorhexidine Acetate Against Gram-Negative/Gram-Positive Bacteria And A Fungus In Vitro And In Vivo</p>. <i>Infection and Drug Resistance</i> , 2019, Volume 12, 3227-3239.	1.1	20
1403	Phage-Antibiotic Combination Treatments: Antagonistic Impacts of Antibiotics on the Pharmacodynamics of Phage Therapy?. <i>Antibiotics</i> , 2019, 8, 182.	1.5	94
1404	Suitability of spectrophotometric assay for determination of honey microbial inhibition. <i>Journal of Physics: Conference Series</i> , 2019, 1299, 012131.	0.3	7
1405	The existence of strong solution for a nonlinear elliptic equation. <i>Journal of Physics: Conference Series</i> , 2019, 1324, 012021.	0.3	0
1406	Circulating Cell-Free DNA. , 0, , .		8
1407	The chloramphenicol/H ⁺ antiporter CraA of <i>Acinetobacter baumannii</i> AYE reveals a broad substrate specificity. <i>Journal of Antimicrobial Chemotherapy</i> , 2019, 74, 1192-1201.	1.3	11
1408	Peptide Mix from <i>Olivancillaria hiatula</i> Interferes with Cell-to-Cell Communication in <i>Pseudomonas aeruginosa</i> . <i>BioMed Research International</i> , 2019, 2019, 1-12.	0.9	12
1409	<i>Alpinia nigra</i> fruits mediated synthesis of silver nanoparticles and their antimicrobial and photocatalytic activities. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2019, 201, 111649.	1.7	67
1410	Liposomal mupirocin holds promise for systemic treatment of invasive <i>Staphylococcus aureus</i> infections. <i>Journal of Controlled Release</i> , 2019, 316, 292-301.	4.8	27
1411	Antimicrobial activity and pH measurement of calcium silicate cements versus new bioactive resin composite restorative material. <i>BMC Oral Health</i> , 2019, 19, 235.	0.8	37
1412	Antimicrobial Activity of Hybrids Terpolymers Based on Magnetite Hydrogel Nanocomposites. <i>Materials</i> , 2019, 12, 3604.	1.3	19
1413	Influence of Non-natural Cationic Amino Acids on the Biological Activity Profile of Innate Defense Regulator Peptides. <i>Journal of Medicinal Chemistry</i> , 2019, 62, 10294-10304.	2.9	11
1414	Bioinspired from mussel and salivary acquired pellicle: a universal dual-functional polypeptide coating for implant materials. <i>Materials Today Chemistry</i> , 2019, 14, 100205.	1.7	12
1415	<i>Neisseria meningitidis</i> Serogroup W Meningitis Epidemic in Togo, 2016. <i>Journal of Infectious Diseases</i> , 2019, 220, S216-S224.	1.9	10
1416	How Oxygen Availability Affects the Antimicrobial Efficacy of Host Defense Peptides: Lessons Learned from Studying the Copper-Binding Peptides Piscidins 1 and 3. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5289.	1.8	17

#	ARTICLE	IF	CITATIONS
1417	New Hydroxydecanoic Acid Derivatives Produced by an Endophytic Yeast <i>Aureobasidium pullulans</i> AJF1 from Flowers of <i>Aconitum carmichaeli</i> . <i>Molecules</i> , 2019, 24, 4051.	1.7	5
1418	Inhibition of Virulence-Related Traits in <i>Pseudomonas syringae</i> pv. <i>actinidiae</i> by Gunpowder Green Tea Extracts. <i>Frontiers in Microbiology</i> , 2019, 10, 2362.	1.5	14
1419	Proline-Rich Peptides with Improved Antimicrobial Activity against <i>E. coli</i> , <i>K. pneumoniae</i> , and <i>A. baumannii</i> . <i>ChemMedChem</i> , 2019, 14, 2025-2033.	1.6	35
1420	Phytochemical Screening, Antibacterial Activity and Heavy Metal Analysis of Ethnomedicinal Recipes and Their Sources Used Against Infectious Diseases. <i>Plants</i> , 2019, 8, 454.	1.6	6
1421	Alternatone A, an Unusual Perylenequinone-Related Compound from a Soft-Coral-Derived Strain of the Fungus <i>Alternaria alternata</i> . <i>Journal of Natural Products</i> , 2019, 82, 3201-3204.	1.5	21
1422	A comparative evaluation of antimicrobial activity of chitoooligosaccharides with broad spectrum antibiotics on growth of some pathogenic microorganisms. <i>Biocatalysis and Agricultural Biotechnology</i> , 2019, 22, 101382.	1.5	11
1423	Hydrophobic Control of the Bioactivity and Cytotoxicity of de Novo-Designed Antimicrobial Peptides. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 34609-34620.	4.0	64
1424	Green synthesis of TiO ₂ NPs/pristine pomegranate peel extract nanocomposite and its antimicrobial activity for water disinfection. <i>Journal of Environmental Chemical Engineering</i> , 2019, 7, 103370.	3.3	56
1425	Antimicrobial and Antibiofilm Activities of Helical Antimicrobial Peptide Sequences Incorporating Metal-Binding Motifs. <i>Biochemistry</i> , 2019, 58, 3802-3812.	1.2	32
1426	Total Synthesis of A54145 Factor D. <i>Journal of Organic Chemistry</i> , 2019, 84, 12021-12030.	1.7	13
1427	Novel 5-Nitrofuranyl-Activating Reductase in <i>Escherichia coli</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2019, 63, .	1.4	10
1428	Vancomycin-Arginine Conjugate Inhibits Growth of Carbapenem-Resistant <i>E. coli</i> and Targets Cell-Wall Synthesis. <i>ACS Chemical Biology</i> , 2019, 14, 2065-2070.	1.6	67
1429	Plastic binding feature of polymyxins: the effect on MIC susceptibility measurements. <i>Infection and Drug Resistance</i> , 2019, Volume 12, 2649-2653.	1.1	14
1430	In vitro cytotoxicity of new water soluble copper(II) metallates containing 7-hydroxy-4-oxo-4H-chromene thiosemicarbazones. <i>Polyhedron</i> , 2019, 173, 114120.	1.0	11
1431	Phase variation in <i>Mycobacterium tuberculosis</i> <i>glpK</i> produces transiently heritable drug tolerance. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 19665-19674.	3.3	96
1432	Yangpomicins F and G, Eneidyne Congeners from <i>Micromonospora yangpuensis</i> DSM 45577. <i>Journal of Natural Products</i> , 2019, 82, 2483-2488.	1.5	23
1433	In vitro evolution of <i>Pseudomonas aeruginosa</i> AA2 biofilms in the presence of cystic fibrosis lung microbiome members. <i>Scientific Reports</i> , 2019, 9, 12859.	1.6	29
1434	Draft Genome Sequence of <i>Pseudomonas aeruginosa</i> Strain BWH047, a Sequence Type 235 Multidrug-Resistant Clinical Isolate Expressing High Levels of Colistin Resistance. <i>Microbiology Resource Announcements</i> , 2019, 8, .	0.3	1

#	ARTICLE	IF	CITATIONS
1435	Antioxidant, Antimicrobial, Cytotoxic, and Protein Kinase Inhibition Potential in <i>Aloe vera</i> L. BioMed Research International, 2019, 2019, 1-14.	0.9	10
1436	Mineral and centesimal contents, antioxidant activity and antimicrobial action of phenolic compounds from <i>Eugenia Brasiliensis</i> Lam. Pulp. Food Science and Technology, 2019, 39, 378-385.	0.8	12
1437	Nanodiamond-supported silver nanoparticles as potent and safe antibacterial agents. Scientific Reports, 2019, 9, 13164.	1.6	24
1438	Synthesis, antimicrobial activity, and determination of the lipophilicity of ((cyclohex-3-enylmethylene)hydrazinyl)thiazole derivatives. Medicinal Chemistry Research, 2019, 28, 2023-2036.	1.1	30
1439	Silver Nanoparticles Synthesized with <i>Rumex hymenosepalus</i> : A Strategy to Combat Early Mortality Syndrome (EMS) in a Cultivated White Shrimp. Journal of Nanomaterials, 2019, 2019, 1-15.	1.5	12
1440	Plasmid-mediated mcr-1 gene in <i>Acinetobacter baumannii</i> and <i>Pseudomonas aeruginosa</i> : first report from Pakistan. Revista Da Sociedade Brasileira De Medicina Tropical, 2019, 52, e20190237.	0.4	71
1441	Microbial Metabolism Modulates Antibiotic Susceptibility within the Murine Gut Microbiome. Cell Metabolism, 2019, 30, 800-823.e7.	7.2	70
1442	Synthesis of Fluoroquinolones Derivatives as Antimicrobial Agents. Oriental Journal of Chemistry, 2019, 35, 1248-1253.	0.1	2
1443	Structural characterization of phosphoethanolamine-modified lipid A from probiotic <i>Escherichia coli</i> strain Nissle 1917. RSC Advances, 2019, 9, 19762-19771.	1.7	6
1444	Design, synthesis, and discovery of novel oxindoles bearing 3-heterocycles as species-specific and combinatorial agents in eradicating <i>Staphylococcus</i> species. Scientific Reports, 2019, 9, 8012.	1.6	20
1445	Î²-Defensin 129 Attenuates Bacterial Endotoxin-Induced Inflammation and Intestinal Epithelial Cell Apoptosis. Frontiers in Immunology, 2019, 10, 2333.	2.2	23
1446	Cathelicidin-Derived Synthetic Peptide Improves Therapeutic Potential of Vancomycin Against <i>Pseudomonas aeruginosa</i> . Frontiers in Microbiology, 2019, 10, 2190.	1.5	32
1447	Activités antimicrobiennes des plantes utilisées comme brosses à dents (cure-dents) par les Peul de la commune de Tesséké (Ferlo Nord, Sénégal). International Journal of Biological and Chemical Sciences, 2019, 13, 1444.	0.1	0
1448	Overcoming Multidrug-Resistance in Bacteria with a Two-Step Process to Repurpose and Recombine Established Drugs. Analytical Chemistry, 2019, 91, 13562-13569.	3.2	7
1449	New class of non-symmetrical homo-dibenzimidazolium salts and their dinuclear Silver(I) di-NHC complexes. Journal of Organometallic Chemistry, 2019, 899, 120914.	0.8	10
1450	Antibacterial, antibiofilm and molecular modeling study of some antitumor thiazole based chalcones as a new class of DHFR inhibitors. Microbial Pathogenesis, 2019, 136, 103674.	1.3	23
1451	Synthesis, physicochemical and antimicrobial properties of cardanol-derived quaternary ammonium compounds (QACs) with heterocyclic polar head. Journal of Molecular Liquids, 2019, 294, 111669.	2.3	12
1452	Integrated evolutionary analysis reveals antimicrobial peptides with limited resistance. Nature Communications, 2019, 10, 4538.	5.8	222

#	ARTICLE	IF	CITATIONS
1453	A Large-Scale Whole-Genome Comparison Shows that Experimental Evolution in Response to Antibiotics Predicts Changes in Naturally Evolved Clinical <i>Pseudomonas aeruginosa</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2019, 63, .	1.4	31
1454	Biological activities of biogenically synthesized fluorescent silver nanoparticles using <i>Acanthospermum hispidum</i> leaves extract. <i>SN Applied Sciences</i> , 2019, 1, 1.	1.5	28
1455	<i>Escherichia coli</i> limits <i>Salmonella Typhimurium</i> infections after diet shifts and fat-mediated microbiota perturbation in mice. <i>Nature Microbiology</i> , 2019, 4, 2164-2174.	5.9	88
1456	A Rapid ATP Bioluminescence-based Test for Detecting Levofloxacin Resistance Starting from Positive Blood Culture Bottles. <i>Scientific Reports</i> , 2019, 9, 13565.	1.6	15
1457	Self-assembly dynamics and antimicrobial activity of all <i>L</i> - and <i>D</i> -amino acid enantiomers of a designer peptide. <i>Nanoscale</i> , 2019, 11, 266-275.	2.8	65
1458	Silver nanoparticles with pH induced surface charge switchable properties for antibacterial and antibiofilm applications. <i>Journal of Materials Chemistry B</i> , 2019, 7, 830-840.	2.9	79
1459	Combined antibacterial effect of essential oils from three most commonly used Ethiopian traditional medicinal plants on multidrug resistant bacteria. <i>BMC Complementary and Alternative Medicine</i> , 2019, 19, 24.	3.7	37
1460	Antimicrobial cotton fibre coated with UV cured colloidal natural rubber latex: A sustainable material. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 566, 176-187.	2.3	27
1461	Oral Delivery of Cholic Acid-Derived Amphiphile Helps in Combating <i>Salmonella</i> -Mediated Gut Infection and Inflammation. <i>Bioconjugate Chemistry</i> , 2019, 30, 721-732.	1.8	25
1462	In Vitro Comparison of Antibacterial and Antibiofilm Activities of Selected Fluoroquinolones against <i>Pseudomonas aeruginosa</i> and Methicillin-Resistant <i>Staphylococcus aureus</i> . <i>Pathogens</i> , 2019, 8, 12.	1.2	27
1463	Deciphering the Role of Intramolecular Networking in Cholic Acid–Peptide Conjugates on the Lipopolysaccharide Surface in Combating Gram-Negative Bacterial Infections. <i>Journal of Medicinal Chemistry</i> , 2019, 62, 1875-1886.	2.9	35
1464	Astilbin Inhibits the Activity of Sortase A from <i>Streptococcus mutans</i> . <i>Molecules</i> , 2019, 24, 465.	1.7	29
1465	Discovery of Small-Molecule Antibiotics against a Unique tRNA-Mediated Regulation of Transcription in Gram-Positive Bacteria. <i>ChemMedChem</i> , 2019, 14, 758-769.	1.6	19
1466	NADH Dehydrogenases in <i>Pseudomonas aeruginosa</i> Growth and Virulence. <i>Frontiers in Microbiology</i> , 2019, 10, 75.	1.5	20
1467	The Genetic Structures of an Extensively Drug Resistant (XDR) <i>Klebsiella pneumoniae</i> and Its Plasmids. <i>Frontiers in Cellular and Infection Microbiology</i> , 2018, 8, 446.	1.8	28
1468	Biophysical Characterization of Cationic Antibacterial Oligothioetheramides. <i>Analytical Chemistry</i> , 2019, 91, 3118-3124.	3.2	9
1469	Functional screening for triclosan resistance in a wastewater metagenome and isolates of <i>Escherichia coli</i> and <i>Enterococcus</i> spp. from a large Canadian healthcare region. <i>PLoS ONE</i> , 2019, 14, e0211144.	1.1	17
1470	Fusariumins C and D, two novel antimicrobial agents from <i>Fusarium oxysporum</i> ZPP-R1 symbiotic on <i>Rumex madaio</i> Makino. <i>F-terapi</i> , 2019, 134, 1-4.	1.1	25

#	ARTICLE	IF	CITATIONS
1471	Genomic and Transcriptomic Changes that Mediate Increased Platinum Resistance in <i>Cupriavidus metallidurans</i> . <i>Genes</i> , 2019, 10, 63.	1.0	11
1472	Sub-lethal concentrations of heavy metals induce antibiotic resistance via mutagenesis. <i>Journal of Hazardous Materials</i> , 2019, 369, 9-16.	6.5	89
1473	Systematic characterization of position one variants within the lantibiotic nisin. <i>Scientific Reports</i> , 2019, 9, 935.	1.6	28
1474	Mammalian antimicrobial peptide protegrin self assembles and forms amyloid-like aggregates: Assessment of its functional relevance. <i>Journal of Peptide Science</i> , 2019, 25, e3151.	0.8	17
1475	Microfluidic-based observation of local bacterial density under antimicrobial concentration gradient for rapid antibiotic susceptibility testing. <i>Biomicrofluidics</i> , 2019, 13, 014108.	1.2	25
1476	In vitro study of folate-conjugated silver nanoparticles for enhanced anticancer activity. <i>Bioinspired, Biomimetic and Nanobiomaterials</i> , 2019, 8, 263-270.	0.7	2
1477	Effect of <i>Capsicum Frutescens</i> Extract, Capsaicin, and Luteolin on Quorum Sensing Regulated Phenotypes. <i>Journal of Food Science</i> , 2019, 84, 1477-1486.	1.5	27
1478	Improving polyphenolic thermal stability of <i>Aristotelia Chilensis</i> fruit extract by encapsulation within electrospun cyclodextrin capsules. <i>Journal of Food Processing and Preservation</i> , 2019, 43, e14044.	0.9	19
1479	A New Suite of Allelic-Exchange Vectors for the Scarless Modification of Proteobacterial Genomes. <i>Applied and Environmental Microbiology</i> , 2019, 85, .	1.4	27
1480	Efficacy of Antimicrobial Peptide DP7, Designed by Machine-Learning Method, Against Methicillin-Resistant <i>Staphylococcus aureus</i> . <i>Frontiers in Microbiology</i> , 2019, 10, 1175.	1.5	25
1481	Enhanced formation of shiga toxin-producing <i>Escherichia coli</i> persister variants in environments relevant to leafy greens production. <i>Food Microbiology</i> , 2019, 84, 103241.	2.1	12
1482	Rhamnose Binding Protein as an Anti-Bacterial Agent Targeting Biofilm of <i>Pseudomonas aeruginosa</i> . <i>Marine Drugs</i> , 2019, 17, 355.	2.2	15
1483	Cinnamon nanophytosomes embedded electrospun nanofiber: Its effects on microbial quality and shelf-life of shrimp as a novel packaging. <i>Food Packaging and Shelf Life</i> , 2019, 21, 100349.	3.3	68
1484	Late-Stage Functionalization of Platensimycin Leading to Multiple Analogues with Improved Antibacterial Activity in Vitro and in Vivo. <i>Journal of Medicinal Chemistry</i> , 2019, 62, 6682-6693.	2.9	14
1485	Bacterial metabolism-inspired molecules to modulate antibiotic efficacy. <i>Journal of Antimicrobial Chemotherapy</i> , 2019, 74, 3409-3417.	1.3	22
1486	Catabolism of Nucleic Acids by a Cystic Fibrosis <i>Pseudomonas aeruginosa</i> Isolate: An Adaptive Pathway to Cystic Fibrosis Sputum Environment. <i>Frontiers in Microbiology</i> , 2019, 10, 1199.	1.5	11
1487	Synthesis, spectral analysis, antimicrobial, cytotoxicity, and antioxidant studies of gold(III) complex of caffeine. <i>Journal of Coordination Chemistry</i> , 2019, 72, 2091-2105.	0.8	5
1488	The evaluation of the synergistic antimicrobial and antibiofilm activity of AamAP1-Lysine with conventional antibiotics against representative resistant strains of both Gram-positive and Gram-negative bacteria. <i>Infection and Drug Resistance</i> , 2019, Volume 12, 1371-1380.	1.1	16

#	ARTICLE	IF	CITATIONS
1489	Antibacterial activity and mannosylerythritol lipids against vegetative cells and spores of <i>Bacillus cereus</i> . <i>Food Control</i> , 2019, 106, 106711.	2.8	50
1490	Production and characterization of bactericidal wound dressing material based on gelatin nanofiber. <i>International Journal of Biological Macromolecules</i> , 2019, 137, 392-404.	3.6	50
1491	Minimum inhibitory concentration of glyphosate and a glyphosate-containing herbicide in salmonella enterica isolates originating from different time periods, hosts, and serovars. <i>European Journal of Microbiology and Immunology</i> , 2019, 9, 35-41.	1.5	12
1492	Single-cell imaging and characterization of <i>Escherichia coli</i> persister cells to ofloxacin in exponential cultures. <i>Science Advances</i> , 2019, 5, eaav9462.	4.7	119
1493	Mutations in <i>pmrB</i> Confer Cross-Resistance between the LptD Inhibitor POL7080 and Colistin in <i>Pseudomonas aeruginosa</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2019, 63, .	1.4	26
1494	Identification and antimicrobial activity evaluation of three peptides from laba garlic and the related mechanism. <i>Food and Function</i> , 2019, 10, 4486-4496.	2.1	38
1495	Repeated Isolation of Extended-Spectrum- β -Lactamase-Positive <i>Escherichia coli</i> Sequence Types 648 and 131 from Community Wastewater Indicates that Sewage Systems Are Important Sources of Emerging Clones of Antibiotic-Resistant Bacteria. <i>Antimicrobial Agents and Chemotherapy</i> , 2019, 63, .	1.4	29
1496	Effects of <i>Lactobacillus plantarum</i> 15-1 and fructooligosaccharides on the response of broilers to pathogenic <i>Escherichia coli</i> O78 challenge. <i>PLoS ONE</i> , 2019, 14, e0212079.	1.1	32
1497	Antimicrobial activity of three essential oils (cinnamon, manuka, and winter savory), and their synergic interaction, against <i>Listeria monocytogenes</i> . <i>Flavour and Fragrance Journal</i> , 2019, 34, 339-348.	1.2	7
1498	Noninvasive, ratiometric determination of intracellular pH in <i>Pseudomonas</i> species using a novel genetically encoded indicator. <i>Microbial Biotechnology</i> , 2019, 12, 799-813.	2.0	23
1499	De Novo Design and In Vitro Testing of Antimicrobial Peptides against Gram-Negative Bacteria. <i>Pharmaceuticals</i> , 2019, 12, 82.	1.7	42
1500	Influence of local epidemiology on the performance of common colistin drug susceptibility testing methods. <i>PLoS ONE</i> , 2019, 14, e0217468.	1.1	1
1501	Discovery of Peptide Antibiotics Composed of α -Amino Acids. <i>ACS Chemical Biology</i> , 2019, 14, 1498-1506.	1.6	24
1502	Green synthesis of selenium-N-heterocyclic carbene compounds: Evaluation of antimicrobial and anticancer potential. <i>Bioorganic Chemistry</i> , 2019, 90, 103042.	2.0	38
1503	Highly efficient stepwise electrochemical degradation of antibiotics in water by in situ formed Cu(OH) ₂ nanowires. <i>Applied Catalysis B: Environmental</i> , 2019, 256, 117824.	10.8	15
1504	Green synthesis of silver nanoparticles: effect of synthesis reaction parameters on antimicrobial activity. <i>World Journal of Microbiology and Biotechnology</i> , 2019, 35, 88.	1.7	109
1505	Degradable antimicrobial polycarbonates with unexpected activity and selectivity for treating multidrug-resistant <i>Klebsiella pneumoniae</i> lung infection in mice. <i>Acta Biomaterialia</i> , 2019, 94, 268-280.	4.1	38
1506	The mechanism of action of pepR, a viral-derived peptide, against <i>Staphylococcus aureus</i> biofilms. <i>Journal of Antimicrobial Chemotherapy</i> , 2019, 74, 2617-2625.	1.3	23

#	ARTICLE	IF	CITATIONS
1507	Enzyme responsive copolymer micelles enhance the anti-biofilm efficacy of the antiseptic chlorhexidine. <i>International Journal of Pharmaceutics</i> , 2019, 566, 329-341.	2.6	30
1508	Conjugative Transfer of the pVA1-Type Plasmid Carrying the pirABvp Genes Results in the Formation of New AHPND-Causing <i>Vibrio</i> . <i>Frontiers in Cellular and Infection Microbiology</i> , 2019, 9, 195.	1.8	30
1509	Design, Synthesis, Antibacterial Potential, and Structural Characterization of N-Acylated Derivatives of the Human Autophagy 16 Polypeptide. <i>Bioconjugate Chemistry</i> , 2019, 30, 1998-2010.	1.8	13
1510	A Novel Mathematical Model for Studying Antimicrobial Interactions Against <i>Campylobacter jejuni</i> . <i>Frontiers in Microbiology</i> , 2019, 10, 1038.	1.5	7
1511	Battacin-Inspired Ultrashort Peptides: Nanostructure Analysis and Antimicrobial Activity. <i>Biomacromolecules</i> , 2019, 20, 2515-2529.	2.6	25
1512	Novel antibacterial polysaccharides produced by endophyte <i>Fusarium solani</i> DO7. <i>Bioresource Technology</i> , 2019, 288, 121596.	4.8	13
1513	Antibiotic resistance breakers: current approaches and future directions. <i>FEMS Microbiology Reviews</i> , 2019, 43, 490-516.	3.9	199
1514	Antimicrobial Zn-Based TSOL for Citrus Greening Management: Insights from Spectroscopy and Molecular Simulation. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 6970-6977.	2.4	6
1515	Synthesis and Characterization of Peptide-Chitosan Conjugates (PepChis) with Lipid Bilayer Affinity and Antibacterial Activity. <i>Biomacromolecules</i> , 2019, 20, 2743-2753.	2.6	27
1516	Phytochemicals Content, Antioxidant and Antibacterial Activities of <i>Sophora viciifolia</i> . <i>Chemistry and Biodiversity</i> , 2019, 16, e1900080.	1.0	16
1517	Catechin hydrate as an eco-friendly biocorrosion inhibitor for 304L stainless steel with dual-action antibacterial properties against <i>Pseudomonas aeruginosa</i> biofilm. <i>Corrosion Science</i> , 2019, 157, 98-108.	3.0	39
1518	Antibacterial resistance modulatory properties of selected medicinal plants from Ghana. <i>African Journal of Pharmacy and Pharmacology</i> , 2019, 13, 57-69.	0.2	10
1519	Limited Evolutionary Conservation of the Phenotypic Effects of Antibiotic Resistance Mutations. <i>Molecular Biology and Evolution</i> , 2019, 36, 1601-1611.	3.5	37
1520	Activity and characterization of a pH-sensitive antimicrobial peptide. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2019, 1861, 182984.	1.4	33
1521	Cloning, characterization and tissue-specific expression of the antimicrobial peptide hepcidin from caspian trout (<i>Salmo caspius</i>) and the antibacterial activity of the synthetic peptide. <i>Fish and Shellfish Immunology</i> , 2019, 90, 288-296.	1.6	24
1522	Comparative mode of action of the antimicrobial peptide melimine and its derivative Mel4 against <i>Pseudomonas aeruginosa</i> . <i>Scientific Reports</i> , 2019, 9, 7063.	1.6	71
1523	Automated serial dilutions for high-dynamic-range assays enabled by fill-level-coupled valving in centrifugal microfluidics. <i>Lab on A Chip</i> , 2019, 19, 2205-2219.	3.1	14
1524	Evaluation of the single and combined antibacterial efficiency of essential oils for controlling <i>Campylobacter coli</i> , <i>Campylobacter jejuni</i> , <i>Escherichia coli</i> , <i>Staphylococcus aureus</i> , and mixed cultures. <i>Flavour and Fragrance Journal</i> , 2019, 34, 280-287.	1.2	12

#	ARTICLE	IF	CITATIONS
1525	Structure-based drug design and in vitro testing reveal new inhibitors of enoyl-acyl carrier protein reductases. <i>Chemical Biology and Drug Design</i> , 2019, 94, 1545-1555.	1.5	3
1526	Stable and self-healable LbL coating with antibiofilm efficacy based on alkylated polyethyleneimine micelles. <i>Journal of Materials Chemistry B</i> , 2019, 7, 3865-3875.	2.9	25
1528	Synthesis, structure, photophysical, electrochemical properties and antibacterial activity of brominated BODIPYs as an inhibitor of DNA gyrase B of <i>S. aureus</i> . <i>Journal of Porphyrins and Phthalocyanines</i> , 2019, 23, 645-654.	0.4	2
1529	Minimum Inhibitory Concentration of Glyphosate and of a Glyphosate-Containing Herbicide Formulation for <i>Escherichia coli</i> Isolates – Differences Between Pathogenic and Non-pathogenic Isolates and Between Host Species. <i>Frontiers in Microbiology</i> , 2019, 10, 932.	1.5	18
1530	Accessory gene regulator (<i>agr</i>) dysfunction was unusual in <i>Staphylococcus aureus</i> isolated from Chinese children. <i>BMC Microbiology</i> , 2019, 19, 95.	1.3	10
1531	Application of Antimicrobial Peptides of the Innate Immune System in Combination With Conventional Antibiotics – A Novel Way to Combat Antibiotic Resistance?. <i>Frontiers in Cellular and Infection Microbiology</i> , 2019, 9, 128.	1.8	171
1532	The Mosaic of Rottlerin: The Sequel. <i>Journal of Natural Products</i> , 2019, 82, 1190-1199.	1.5	3
1533	Controllably Biodegradable Hydroxyapatite Nanostructures for Cefazolin Delivery against Antibacterial Resistance. <i>ACS Omega</i> , 2019, 4, 7524-7532.	1.6	20
1534	Novel <i>Stenotrophomonas maltophilia</i> temperate phage DLP4 is capable of lysogenic conversion. <i>BMC Genomics</i> , 2019, 20, 300.	1.2	31
1535	Correct Sorting of Lipoproteins into the Inner and Outer Membranes of <i>Pseudomonas aeruginosa</i> by the <i>Escherichia coli</i> LolCDE Transport System. <i>MBio</i> , 2019, 10, .	1.8	13
1536	A new phthalazinone derivative and a new isoflavonoid glycoside from lichen-associated <i>Amycolatopsis</i> sp.. <i>FÄ-toterapÄ-Äç</i> , 2019, 135, 85-89.	1.1	19
1537	Microbial Diversity and Antimicrobial Resistance Profile in Microbiota From Soils of Conventional and Organic Farming Systems. <i>Frontiers in Microbiology</i> , 2019, 10, 892.	1.5	76
1538	Antimicrobial and anticancer activities of <i>Scenedesmus obliquus</i> metabolites. <i>Heliyon</i> , 2019, 5, e01404.	1.4	57
1539	Effect of Quercetin Rich Onion Extracts on Bacterial Quorum Sensing. <i>Frontiers in Microbiology</i> , 2019, 10, 867.	1.5	68
1540	Short Cationic Peptide Derived from Archaea with Dual Antibacterial Properties and Anti-Infective Potential. <i>ACS Infectious Diseases</i> , 2019, 5, 1081-1086.	1.8	37
1541	Comparative genomics reveal pathogenicity-related loci in <i>Pseudomonas syringae</i> pv. <i>actinidiae</i> biovar 3. <i>Molecular Plant Pathology</i> , 2019, 20, 923-942.	2.0	28
1542	A recombinant fungal defensin-like peptide-P2 combats multidrug-resistant <i>Staphylococcus aureus</i> and biofilms. <i>Applied Microbiology and Biotechnology</i> , 2019, 103, 5193-5213.	1.7	46
1543	Synthesis and evaluation of new quinazolin-4(3H)-one derivatives as potent antibacterial agents against multidrug resistant <i>Staphylococcus aureus</i> and <i>Mycobacterium tuberculosis</i> . <i>European Journal of Medicinal Chemistry</i> , 2019, 175, 287-308.	2.6	23

#	ARTICLE	IF	CITATIONS
1544	Characteristics of <i>Listeria Monocytogenes</i> Strains Persisting in a Meat Processing Facility over a 4-Year Period. <i>Pathogens</i> , 2019, 8, 32.	1.2	56
1545	Effect of trans(NO, OH)-[RuFT(Cl)(OH)NO](PF ₆) ruthenium nitrosyl complex on methicillin-resistant <i>Staphylococcus epidermidis</i> . <i>Scientific Reports</i> , 2019, 9, 4867.	1.6	21
1546	Genome annotation and antimicrobial properties of <i>Bacillus toyonensis</i> VUâ€DES13, isolated from the <i>Folsomia candida</i> gut. <i>Entomologia Experimentalis Et Applicata</i> , 2019, 167, 269-285.	0.7	8
1547	Variation in Mutant Prevention Concentrations. <i>Frontiers in Microbiology</i> , 2019, 10, 42.	1.5	28
1548	Self-assembled tannic acid complexes for pH-responsive delivery of antibiotics: Role of drug-carrier interactions. <i>International Journal of Pharmaceutics</i> , 2019, 562, 76-85.	2.6	43
1549	Bio compounds of edible mushrooms: in vitro antioxidant and antimicrobial activities. <i>LWT - Food Science and Technology</i> , 2019, 107, 214-220.	2.5	70
1550	Discovery of a potential MCR-1 inhibitor that reverses polymyxin activity against clinical mcr-1-positive <i>Enterobacteriaceae</i> . <i>Journal of Infection</i> , 2019, 78, 364-372.	1.7	51
1551	Phytohormone treatment induces generation of cryptic peptides with antimicrobial activity in the Moss <i>Physcomitrella patens</i> . <i>BMC Plant Biology</i> , 2019, 19, 9.	1.6	26
1552	RelQ Mediates the Expression of β -Lactam Resistance in Methicillin-Resistant <i>Staphylococcus aureus</i> . <i>Frontiers in Microbiology</i> , 2019, 10, 339.	1.5	13
1553	Mucus penetration enhanced lipid polymer nanoparticles improve the eradication rate of <i>Helicobacter pylori</i> biofilm. <i>Journal of Controlled Release</i> , 2019, 300, 52-63.	4.8	74
1554	Garlic essential oil nanophytosomes as a natural food preservative: Its application in yogurt as food model. <i>Colloids and Interface Science Communications</i> , 2019, 30, 100176.	2.0	79
1555	Rapid synthesis of cesium-doped hydroxyapatite nanorods: characterisation and microbial activity. <i>Advances in Applied Ceramics</i> , 2019, 118, 340-350.	0.6	4
1556	Clinical and Pharmacokinetic Outcomes of Peakâ€Trough-Based Versus Trough-Based Vancomycin Therapeutic Drug Monitoring Approaches: A Pragmatic Randomized Controlled Trial. <i>European Journal of Drug Metabolism and Pharmacokinetics</i> , 2019, 44, 639-652.	0.6	21
1557	Selective antibacterial activity of the cationic peptide PaDBS1R6 against Gram-negative bacteria. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2019, 1861, 1375-1387.	1.4	38
1558	Characterization and Antimicrobial Activity of Amphiphilic Peptide AP3 and Derivative Sequences. <i>Antibiotics</i> , 2019, 8, 20.	1.5	18
1559	Heterologous biosynthesis and characterization of a glycoicin from a thermophilic bacterium. <i>Nature Communications</i> , 2019, 10, 1115.	5.8	37
1560	A multiplexable assay for screening antibiotic lethality against drug-tolerant bacteria. <i>Nature Methods</i> , 2019, 16, 303-306.	9.0	30
1561	Controllable assembly of a novel cationic gemini surfactant containing a naphthalene and amide spacer with β -cyclodextrin. <i>Soft Matter</i> , 2019, 15, 3198-3207.	1.2	14

#	ARTICLE	IF	CITATIONS
1562	The <i>Escherichia coli</i> multiple antibiotic resistance activator protein represses transcription of the <i>lac</i> operon. <i>Biochemical Society Transactions</i> , 2019, 47, 671-677.	1.6	3
1563	Novel functionalized β -nitrostyrenes: Promising candidates for new antibacterial drugs. <i>Saudi Pharmaceutical Journal</i> , 2019, 27, 593-601.	1.2	8
1564	<i>Paenibacillus sordellii</i> and <i>Clostridioides difficile</i> encode similar and clinically relevant tetracycline resistance loci in diverse genomic locations. <i>BMC Microbiology</i> , 2019, 19, 53.	1.3	5
1565	Antimicrobial Activity of Agastache Honey and Characterization of Its Bioactive Compounds in Comparison With Important Commercial Honeys. <i>Frontiers in Microbiology</i> , 2019, 10, 263.	1.5	55
1566	Study of DNA-Binding Activity and Antibacterial Effect of Escitalopram Oxalate, an Extensively Prescribed Antidepressant. <i>Drug Research</i> , 2019, 69, 545-550.	0.7	1
1567	Recent Developments of Chip-based Phenotypic Antibiotic Susceptibility Testing. <i>Biochip Journal</i> , 2019, 13, 43-52.	2.5	30
1568	A Peptide-Nanoparticle System with Improved Efficacy against Multidrug Resistant Bacteria. <i>Scientific Reports</i> , 2019, 9, 4485.	1.6	80
1569	Selectivity of Antimicrobial Peptides: A Complex Interplay of Multiple Equilibria. <i>Advances in Experimental Medicine and Biology</i> , 2019, 1117, 175-214.	0.8	44
1570	Total Synthesis of Paenibacterin and Its Analogues. <i>Journal of Organic Chemistry</i> , 2019, 84, 5339-5347.	1.7	9
1571	Antimicrobial and Antibiofilm Effects of Peptides from Venom of Social Wasp and Scorpion on Multidrug-Resistant <i>Acinetobacter baumannii</i> . <i>Toxins</i> , 2019, 11, 216.	1.5	26
1572	Antimicrobial Peptides. <i>Advances in Experimental Medicine and Biology</i> , 2019, , .	0.8	26
1573	Rifampicin-Loaded Mesoporous Silica Nanoparticles for the Treatment of Intracellular Infections. <i>Antibiotics</i> , 2019, 8, 39.	1.5	45
1574	Preliminary Phytochemical Analysis of <i>Berberis goudotii</i> Triana & Planch. ex Wedd. (Berberidaceae) with Anticariogenic and Antiperiodontal Activities. <i>Scientia Pharmaceutica</i> , 2019, 87, 2.	0.7	4
1575	BioBits Health: Classroom Activities Exploring Engineering, Biology, and Human Health with Fluorescent Readouts. <i>ACS Synthetic Biology</i> , 2019, 8, 1001-1009.	1.9	55
1576	Ex vivo evaluation of the stability, safety and antibacterial efficacy of an extemporaneous povidone-iodine preparation for ophthalmic applications. <i>Australasian Journal of Optometry</i> , 2019, 102, 583-589.	0.6	5
1577	A novel sulfonamide resistance mechanism by two-component flavin-dependent monooxygenase system in sulfonamide-degrading actinobacteria. <i>Environment International</i> , 2019, 127, 206-215.	4.8	53
1578	Analysis of modular bioengineered antimicrobial lanthipeptides at nanoliter scale. <i>Nature Chemical Biology</i> , 2019, 15, 437-443.	3.9	99
1579	Synthesis, X-ray structural analysis, antibacterial and DNA-binding studies of a lanthanum bis-(5,5'-dimethyl-2,2'-bipyridine) complex. <i>Journal of the Iranian Chemical Society</i> , 2019, 16, 1827-1838.	1.2	10

#	ARTICLE	IF	CITATIONS
1580	Evaluation of anticancer activity of $\hat{\pm}$ -defensins purified from neutrophils trapped in leukoreduction filters. <i>Life Sciences</i> , 2019, 224, 249-254.	2.0	7
1581	From fast identification to resistance testing: Volatile compound profiling as a novel diagnostic tool for detection of antibiotic susceptibility. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 115, 1-12.	5.8	11
1582	Regioselective synthesis of novel antibacterial pyrazole-benzofuran hybrids: 2D NMR spectroscopy studies and molecular docking. <i>Journal of Molecular Structure</i> , 2019, 1188, 214-226.	1.8	33
1583	Ultrafast Parallelized Microfluidic Platform for Antimicrobial Susceptibility Testing of Gram Positive and Negative Bacteria. <i>Analytical Chemistry</i> , 2019, 91, 6242-6249.	3.2	59
1584	Amide-Based Cationic Polymeric N-Halamines: Synthesis, Characterization, and Antimicrobial and Biofilm-Binding Properties. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 6218-6225.	1.8	6
1585	Rhamnolipid-involved antibiotics combinations improve the eradication of <i>Helicobacter pylori</i> biofilm in vitro: A comparison with conventional triple therapy. <i>Microbial Pathogenesis</i> , 2019, 131, 112-119.	1.3	22
1586	Nybomycin-producing <i>Streptomyces</i> isolated from carpenter ant <i>Camponotus vagus</i> . <i>Biochimie</i> , 2019, 160, 93-99.	1.3	25
1587	A Uniform In Vitro Efficacy Dataset to Guide Antimicrobial Peptide Design. <i>Data</i> , 2019, 4, 27.	1.2	10
1588	Antioxidant and antibacterial activity of seven predominant terpenoids. <i>International Journal of Food Properties</i> , 2019, 22, 230-238.	1.3	126
1589	Variation in the condition-dependence of individual sexual traits in male eastern mosquitofish, <i>Gambusia holbrooki</i> . <i>Behavioral Ecology</i> , 2019, 30, 666-674.	1.0	8
1590	Effect of a peroxyacetic acid mixture as green chemical on rice bacterial and fungal pathogens. <i>Journal of Plant Pathology</i> , 2019, 101, 661-669.	0.6	3
1591	<i>Mycobacterium tuberculosis</i> metC (Rv3340) derived hydrogen sulphide conferring bacteria stress survival. <i>Journal of Drug Targeting</i> , 2019, 27, 1004-1016.	2.1	15
1592	Photo-inactivation and efflux pump inhibition of methicillin resistant <i>Staphylococcus aureus</i> using thiolated cobalt doped ZnO nanoparticles. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2019, 192, 141-146.	1.7	35
1593	Rapid Detection of Extended-Spectrum $\hat{2}$ -Lactamases (ESBL) and AmpC $\hat{2}$ -Lactamases in Enterobacterales: Development of a Screening Panel Using the MALDI-TOF MS-Based Direct-on-Target Microdroplet Growth Assay. <i>Frontiers in Microbiology</i> , 2019, 10, 13.	1.5	49
1594	Metabolic shift of <i>Staphylococcus aureus</i> under sublethal dose of methicillin in the presence of glucose. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2019, 167, 140-148.	1.4	10
1595	Eco-friendly cellulose acetate green synthesized silver nano-composite as antibacterial packaging system for food safety. <i>Food Packaging and Shelf Life</i> , 2019, 20, 100302.	3.3	94
1596	On-chip phenotypic investigation of combinatory antibiotic effects by generating orthogonal concentration gradients. <i>Lab on A Chip</i> , 2019, 19, 959-973.	3.1	27
1597	A Small-Molecule Inhibitor of <i>trans</i> -Translation Synergistically Interacts with Cathelicidin Antimicrobial Peptides To Impair Survival of <i>Staphylococcus aureus</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2019, 63, .	1.4	14

#	ARTICLE	IF	CITATIONS
1598	Synergistic activity of chlorhexidine and synoecaâ€MP peptide against <i>Pseudomonas aeruginosa</i>. Journal of Cellular Physiology, 2019, 234, 16068-16079.	2.0	5
1599	Phenotypic and genotypic evaluation of <i>Listeria monocytogenes</i> strains isolated from fish and fish processing plants. Annals of Microbiology, 2019, 69, 469-482.	1.1	19
1600	Probiotic potential and biofilm inhibitory activity of <i>Lactobacillus casei</i> group strains isolated from infant feces. Journal of Functional Foods, 2019, 54, 489-497.	1.6	54
1601	In vitro antimicrobial efficacy of laser exposed chlorpromazine against Gram-positive bacteria in planktonic and biofilm growth state. Microbial Pathogenesis, 2019, 129, 250-256.	1.3	10
1602	Assessment of Bioactive Potential of Aqueous Protein Extracts from Diatoms <i>Nitzschia laevis</i>, <i>Spirulina platensis</i>, and <i>Chlorella vulgaris</i>. Journal of Aquatic Food Product Technology, 2019, 28, 177-193.</i>	0.6	5
1603	A FASII Inhibitor Prevents Staphylococcal Evasion of Daptomycin by Inhibiting Phospholipid Decoy Production. Antimicrobial Agents and Chemotherapy, 2019, 63, .	1.4	8
1604	Protonema Suspension Cultures of <i>Polytrichum Juniperinum</i> as a Potential Production Platform for Bioactive Compounds. Journal of Herbs, Spices and Medicinal Plants, 2019, 25, 114-127.	0.5	1
1605	Antimicrobial Peptide Dendrimer Chimera. Helvetica Chimica Acta, 2019, 102, e1900034.	1.0	22
1606	Biogenic synthesis of silver palladium bimetallic nanoparticles from fruit extract of <i>Terminalia chebula</i> â€œ In vitro evaluation of anticancer and antimicrobial activity. Journal of Drug Delivery Science and Technology, 2019, 51, 139-151.	1.4	61
1607	Multi-screening of β -lactam antibiotics for β -lactamase resistance by means of a paper-based analytical device with a 4-(2-pyridylazo)resorcinol (PAR)â€Hg²⁺ complex. Analytical Methods, 2019, 11, 1729-1734.	1.3	2
1608	Enzymatic treatment and subsequent toxicity of organic micropollutants using oxidoreductases - A review. Journal of Cleaner Production, 2019, 221, 306-322.	4.6	88
1609	Transcriptome analysis predicts mode of action of benzimidazole molecules against <i>Staphylococcus aureus</i> UAMSâ€1. Drug Development Research, 2019, 80, 490-503.	1.4	12
1610	Synthesis, characterization, and biological evaluation of a novel Zn(II)-Naproxen complex. Polyhedron, 2019, 163, 71-76.	1.0	7
1611	Resistance mechanisms and population structure of highly drug resistant <i>Klebsiella</i> in Pakistan during the introduction of the carbapenemase NDM-1. Scientific Reports, 2019, 9, 2392.	1.6	45
1612	Stereoselective functionalization of platensimycin and platencin by sulfa-Michael/aldol reactions. Organic and Biomolecular Chemistry, 2019, 17, 4261-4272.	1.5	5
1613	Iron/Heme Metabolism-Targeted Gallium(III) Nanoparticles Are Active against Extracellular and Intracellular <i>Pseudomonas aeruginosa</i> and <i>Acinetobacter baumannii</i>. Antimicrobial Agents and Chemotherapy, 2019, 63, .	1.4	35
1614	Effect of commercial nasal steroid preparation on bacterial growth. International Forum of Allergy and Rhinology, 2019, 9, 766-775.	1.5	8
1615	Dual Action of the PN159/KLAL/MAP Peptide: Increase of Drug Penetration across Caco-2 Intestinal Barrier Model by Modulation of Tight Junctions and Plasma Membrane Permeability. Pharmaceutics, 2019, 11, 73.	2.0	38

#	ARTICLE	IF	CITATIONS
1617	Optimizing concentrations and contact times of cleaning and sanitizing agents for inactivating winery spoilage microorganisms. BIO Web of Conferences, 2019, 15, 02009.	0.1	0
1618	AN IN-VITRO ANTIBIOFILM ACTIVITY OF CHLORELLA VULGARIS. Asian Journal of Pharmaceutical and Clinical Research, 2019, , 239-242.	0.3	3
1619	Antimicrobial Activities of <i>Acacia nilotica</i> , <i>Ziziphus Jujube</i> Linn and <i>Lawsonia Inermis</i> . Nigerian Journal of Basic and Applied Sciences, 2019, 26, 1.	0.0	0
1620	Antimicrobial activity of leaf extracts of <i>Commiphora africana</i> . Bayero Journal of Pure and Applied Sciences, 2019, 11, 191.	0.1	1
1621	Defensin-Like Peptides and Their Antimicrobial Activity in Free-Form and Immobilized on Material Surfaces. , 2019, , .		2
1622	RexAB Is Essential for the Mutagenic Repair of Staphylococcus aureus DNA Damage Caused by Co-trimoxazole. Antimicrobial Agents and Chemotherapy, 2019, 63, .	1.4	14
1623	Detection and genetic characterization of extended-spectrum beta-lactamases producers in a tertiary care hospital. Journal of Laboratory Physicians, 2019, 11, 253-258.	0.4	8
1624	Antimicrobial Effect of Copper Nanoparticles Synthesized by Chemical Method. International Journal of Applied Sciences and Biotechnology, 2019, 7, 421-428.	0.4	2
1625	Assessment of Phenotype Microarray plates for rapid and high-throughput analysis of collateral sensitivity networks. PLoS ONE, 2019, 14, e0219879.	1.1	5
1626	Antibacterial Activity of a New Flavone Glycoside from the Stems of <i>Holmskioldia sanguinea</i> Retz.. Asian Journal of Chemistry, 2019, 31, 1815-1818.	0.1	1
1627	Comparative Genomics Reveals a Well-Conserved Intrinsic Resistome in the Emerging Multidrug-Resistant Pathogen <i>Cupriavidus gilardii</i> . MSphere, 2019, 4, .	1.3	9
1628	Antibacterial magnetic nanoparticles for therapeutics: a review. IET Nanobiotechnology, 2019, 13, 786-799.	1.9	37
1629	Secondary Metabolites from the Endophytic Fungus <i>Fusarium equiseti</i> and Their Antibacterial Activities. Chemistry of Natural Compounds, 2019, 55, 1141-1144.	0.2	7
1630	Synergy Pattern of Short Cationic Antimicrobial Peptides Against Multidrug-Resistant <i>Pseudomonas aeruginosa</i> . Frontiers in Microbiology, 2019, 10, 2740.	1.5	48
1631	Metal/Metal Oxide Nanoparticles: Toxicity, Applications, and Future Prospects. Current Pharmaceutical Design, 2019, 25, 4013-4029.	0.9	72
1632	Medical-Grade Silicone Coated with Rhamnolipid R89 Is Effective against <i>Staphylococcus</i> spp. Biofilms. Molecules, 2019, 24, 3843.	1.7	36
1633	An Efficient Disinfectant, Composite Material {SLS@[Zn3(CitH)2]} as Ingredient for Development of Sterilized and Non Infectious Contact Lens. Antibiotics, 2019, 8, 213.	1.5	9
1634	Essential Oil and Hydrosol Extract Chemical Profile, Antioxidant and Antimicrobial Potential of <i>Daphne gnidium</i> L. from Algeria. Journal of Essential Oil-bearing Plants: JEOP, 2019, 22, 1277-1288.	0.7	11

#	ARTICLE	IF	CITATIONS
1635	Structure-Activity Study of an All-d Antimicrobial Octapeptide D2D. <i>Molecules</i> , 2019, 24, 4571.	1.7	3
1636	Cooperative enhancement of antibacterial activity of sanguinarine drug through p-sulfonatocalix[6]arene functionalized silver nanoparticles. <i>Chemical Communications</i> , 2019, 55, 14275-14278.	2.2	19
1637	The <i>Campylobacter jejuni</i> Type VI Secretion System Enhances the Oxidative Stress Response and Host Colonization. <i>Frontiers in Microbiology</i> , 2019, 10, 2864.	1.5	39
1638	Determination of minimum inhibitory concentration and half maximal inhibitory concentration of antibiotics and their degradation products to assess the eco-toxicological potential. <i>Toxicological and Environmental Chemistry</i> , 2019, 101, 315-338.	0.6	13
1639	Understanding Ciprofloxacin Failure in <i>Pseudomonas aeruginosa</i> Biofilm: Persister Cells Survive Matrix Disruption. <i>Frontiers in Microbiology</i> , 2019, 10, 2603.	1.5	37
1640	Biological Activity of Thyme White Essential Oil Stabilized by Cellulose Nanocrystals. <i>Biomolecules</i> , 2019, 9, 799.	1.8	44
1641	Synthesis and Bioactivity of Hydrazone-Hydrazones with the 1-Adamantyl-Carbonyl Moiety. <i>Molecules</i> , 2019, 24, 4000.	1.7	17
1642	Simultaneous detection of genotype and phenotype enables rapid and accurate antibiotic susceptibility determination. <i>Nature Medicine</i> , 2019, 25, 1858-1864.	15.2	85
1643	Potential of Manuka Honey as a Natural Polyelectrolyte to Develop Biomimetic Nanostructured Meshes With Antimicrobial Properties. <i>Frontiers in Bioengineering and Biotechnology</i> , 2019, 7, 344.	2.0	21
1644	The Mercury-Tolerant Microbiota of the Zooplankton <i>Daphnia</i> Aids in Host Survival and Maintains Fecundity under Mercury Stress. <i>Environmental Science & Technology</i> , 2019, 53, 14688-14699.	4.6	12
1645	Supreme activity of gramicidin S against resistant, persistent and biofilm cells of staphylococci and enterococci. <i>Scientific Reports</i> , 2019, 9, 17938.	1.6	30
1646	Antibacterial activity and pharmacological effect of some mixed-ligand tris-chelates of copper(II) containing neutral N,N-donors and kinetics study of the novel synthetic route for the complexes. <i>Bulletin of the Chemical Society of Ethiopia</i> , 2019, 33, 475.	0.5	0
1647	What Are the Effects of Irreversible Electroporation on a <i>Staphylococcus aureus</i> Rabbit Model of Osteomyelitis?. <i>Clinical Orthopaedics and Related Research</i> , 2019, 477, 2367-2377.	0.7	3
1648	Effect of an Italian propolis on the growth of <i>Listeria monocytogenes</i> , <i>Staphylococcus aureus</i> and <i>Bacillus cereus</i> in milk and whey cheese. <i>Italian Journal of Food Safety</i> , 2019, 8, 8036.	0.5	10
1649	Identification of <i>AcrAB-TolC</i> Efflux Pump Genes and Detection of Mutation in Efflux Repressor <i>AcrR</i> from Omeprazole Responsive Multidrug-Resistant <i>Escherichia coli</i> Isolates Causing Urinary Tract Infections. <i>Microbiology Insights</i> , 2019, 12, 117863611988962.	0.9	24
1650	Identification and characterization of compounds from <i>Chrysosporium multifidum</i> , a fungus with moderate antimicrobial activity isolated from <i>Hermetia illucens</i> gut microbiota. <i>PLoS ONE</i> , 2019, 14, e0218837.	1.1	10
1651	Chemical-genetic profiling reveals limited cross-resistance between antimicrobial peptides with different modes of action. <i>Nature Communications</i> , 2019, 10, 5731.	5.8	29
1652	Short-chain diamines are the physiological substrates of PACE family efflux pumps. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 18015-18020.	3.3	21

#	ARTICLE	IF	CITATIONS
1653	Agastache honey has superior antifungal activity in comparison with important commercial honeys. <i>Scientific Reports</i> , 2019, 9, 18197.	1.6	24
1654	High pressure extraction of bioactive diterpenes from the macroalgae <i>Bifurcaria bifurcata</i> : an efficient and environmentally friendly approach. <i>RSC Advances</i> , 2019, 9, 39893-39903.	1.7	2
1655	Synthesis, Antimicrobial Activity, Structure-Activity Relationship, and Molecular Docking Studies of Indole Diketopiperazine Alkaloids. <i>Frontiers in Chemistry</i> , 2019, 7, 837.	1.8	34
1656	Mechanisms of Action for Antimicrobial Peptides With Antibacterial and Antibiofilm Functions. <i>Frontiers in Microbiology</i> , 2019, 10, 2866.	1.5	236
1657	Identification of a Novel Potential Probiotic <i>Lactobacillus plantarum</i> FB003 Isolated from Salted-Fermented Shrimp and its Effect on Cholesterol Absorption by Regulation of NPC1L1 and PPAR α . <i>Probiotics and Antimicrobial Proteins</i> , 2019, 11, 785-793.	1.9	27
1658	Investigating the synergistic antimicrobial effect of carvacrol and zinc oxide nanoparticles against <i>Campylobacter jejuni</i> . <i>Food Control</i> , 2019, 96, 39-46.	2.8	25
1659	Elaboration and characterization of pectin-gellan films added with concentrated supernatant of <i>Streptococcus infantarius</i> fermentations, and EDTA: effects on the growth of <i>Escherichia coli</i> , <i>Staphylococcus aureus</i> and <i>Listeria monocytogenes</i> in a Mexican cheese medium, and physical-mechanical properties. <i>Food Science and Technology</i> , 2019, 39, 436-443.	0.8	8
1660	A Low-Molecular-Weight Compound Derived from Human Leukocytes Determines a Bactericidal Activity of the Interferon Preparation. <i>Probiotics and Antimicrobial Proteins</i> , 2019, 11, 999-1008.	1.9	0
1661	Synergistic Antibacterial Efficiency of Bacteriocin and Silver Nanoparticles Produced by Probiotic <i>Lactobacillus paracasei</i> Against Multidrug Resistant Bacteria. <i>International Journal of Peptide Research and Therapeutics</i> , 2019, 25, 1113-1125.	0.9	23
1662	Synthesis, antimicrobial activity and quantum chemical investigation of novel succinimide derivatives. <i>Journal of Molecular Structure</i> , 2019, 1181, 148-156.	1.8	14
1663	Biologically synthesized copper oxide nanoparticles enhanced intracellular damage in ciprofloxacin resistant ESBL producing bacteria. <i>Microbial Pathogenesis</i> , 2019, 127, 267-276.	1.3	33
1664	A facile method to fabricate an antimicrobial coating based on poly(1-vinyl-3-allylimidazolium iodide) (PAVI) and poly(ethylene glycol) dimethyl acrylate (PEGDMA). <i>Polymer Bulletin</i> , 2019, 76, 5433-5449.	1.7	6
1665	Gelatinized core liposomes: A new Trojan horse for the development of a novel timolol maleate glaucoma medication. <i>International Journal of Pharmaceutics</i> , 2019, 556, 192-199.	2.6	50
1666	Phylogenetic barriers to horizontal transfer of antimicrobial peptide resistance genes in the human gut microbiota. <i>Nature Microbiology</i> , 2019, 4, 447-458.	5.9	68
1667	Design, expression, and characterization of a novel cecropin A-derived peptide with high antibacterial activity. <i>Applied Microbiology and Biotechnology</i> , 2019, 103, 1765-1775.	1.7	23
1668	Formulation and optimization of long acting dual niosomes using Box-Behnken experimental design method for combinative delivery of Ethionamide and D-cycloserine in Tuberculosis treatment. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 565, 131-142.	2.3	40
1669	Disinfection of drinking water via algae mediated green synthesized copper oxide nanoparticles and its toxicity evaluation. <i>Journal of Environmental Chemical Engineering</i> , 2019, 7, 102867.	3.3	81
1670	Microbial strains isolated from CO ₂ -venting Kolumbo submarine volcano show enhanced co-tolerance to acidity and antibiotics. <i>Marine Environmental Research</i> , 2019, 144, 102-110.	1.1	13

#	ARTICLE	IF	CITATIONS
1671	Investigations of Anti-Inflammatory Activity of a Peptide-Based Hydrogel Using Rat Air Pouch Model. ACS Applied Materials & Interfaces, 2019, 11, 2849-2859.	4.0	42
1672	Exploration of charge carrier delocalization in the iron oxide/CdS type-II heterojunction band alignment for enhanced solar-driven photocatalytic and antibacterial applications. Journal of Hazardous Materials, 2019, 366, 475-481.	6.5	32
1673	Evaluation of antioxidant and antimicrobial potential of a novel Himalayan plant Reinwardtia indica dumort: Scientifically unexplored. Microbial Pathogenesis, 2019, 127, 326-334.	1.3	2
1674	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.	1.8	48
1675	Effects of Microplate Type and Broth Additives on Microdilution MIC Susceptibility Assays. Antimicrobial Agents and Chemotherapy, 2019, 63, .	1.4	41
1676	Assessing Transmission of Antimicrobial-Resistant Escherichia coli in Wild Giraffe Contact Networks. Applied and Environmental Microbiology, 2019, 85, .	1.4	9
1677	potent antibacterial agents effective against multidrug resistant Staphylococcus aureus. Bioorganic Chemistry, 2019, 83, 569-579.	2.0	20
1678	Synthesis and antimicrobial evaluation of novel N-substituted 4-ethylsulfanyl-2-pyridones and triazolopyridines. Medicinal Chemistry Research, 2019, 28, 62-70.	1.1	26
1679	Anticancer, antimicrobial and photocatalytic activities of green synthesized magnesium oxide nanoparticles (MgONPs) using aqueous extract of Sargassum wightii. Journal of Photochemistry and Photobiology B: Biology, 2019, 190, 86-97.	1.7	259
1680	Solid lipid nanoparticles for the delivery of anti-microbial oligonucleotides. European Journal of Pharmaceutics and Biopharmaceutics, 2019, 134, 166-177.	2.0	42
1681	Antimicrobial synergy of monolaurin lipid nanocapsules with adsorbed antimicrobial peptides against Staphylococcus aureus biofilms in vitro is absent in vivo. Journal of Controlled Release, 2019, 293, 73-83.	4.8	33
1682	Improving the Efficacy of Essential Oils as Antimicrobials in Foods: Mechanisms of Action. Annual Review of Food Science and Technology, 2019, 10, 365-387.	5.1	172
1683	Enabling genetic analysis of diverse bacteria with Mobile-CRISPRi. Nature Microbiology, 2019, 4, 244-250.	5.9	163
1684	Bacterial Ghosts Carrying 5-Fluorouracil: A Novel Biological Carrier for Targeting Colorectal Cancer. AAPS PharmSciTech, 2019, 20, 48.	1.5	29
1685	An efficient synthesis and antimicrobial evaluation of 5-alkenyl- and 5-styryl-1,2,4-oxadiazoles. Arkivoc, 2019, 2018, 458-470.	0.3	19
1686	Mechanistic Landscape of Membrane-Permeabilizing Peptides. Chemical Reviews, 2019, 119, 6040-6085.	23.0	173
1687	Antimicrobial anilinium polymers: The properties of poly(N , N -dimethylaminophenylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 102 To	2.5	6
1688	Synthesis of Antibacterial Glycosylated Polycaprolactones Bearing Imidazoliums with Reduced Hemolytic Activity. Biomacromolecules, 2019, 20, 949-958.	2.6	36

#	ARTICLE	IF	CITATIONS
1689	Biological Response of and Blood Plasma Protein Adsorption on Silver-Doped Hydroxyapatite. ACS Biomaterials Science and Engineering, 2019, 5, 561-571.	2.6	32
1690	An active β -lactamase is a part of an orchestrated cell wall stress resistance network of <i>Bacillus subtilis</i> and related rhizosphere species. Environmental Microbiology, 2019, 21, 1068-1085.	1.8	18
1691	A Novel Bacteriophage Lysin-Human Defensin Fusion Protein Is Effective in Treatment of Clostridioides difficile Infection in Mice. Frontiers in Microbiology, 2019, 9, 3234.	1.5	17
1692	Fusion expression and anti-Aspergillus flavus activity of a novel inhibitory protein DN-AflR. International Journal of Food Microbiology, 2019, 290, 184-192.	2.1	5
1693	Characterization and biological properties of a novel synthesized silicon-substituted hydroxyapatite derived from eggshell. International Journal of Artificial Organs, 2019, 42, 95-108.	0.7	4
1694	Antibacterial Nanoparticles. , 2019, , 65-82.		10
1695	Optimization of on-chip bacterial culture conditions using the Box-Behnken design response surface methodology for faster drug susceptibility screening. Talanta, 2019, 194, 627-633.	2.9	31
1696	Deformylated Gramicidin A and Its Derivatives Showing High Antimicrobial Activity and Low Hemolytic Toxicity. Chinese Journal of Chemistry, 2019, 37, 25-29.	2.6	18
1697	¹ H NMR and Raman spectroscopy of oils and extracts obtained from organic and conventional goji berries: yield, fatty acids, carotenoids and biological activities. International Journal of Food Science and Technology, 2019, 54, 282-290.	1.3	15
1698	Antibacterial Activity of Plant Defensins. Molecular Plant-Microbe Interactions, 2019, 32, 507-514.	1.4	50
1699	Antimicrobial coatings prepared from Dhvar-5-click-grafted chitosan powders. Acta Biomaterialia, 2019, 84, 242-256.	4.1	46
1700	Structural characterization, teratogenicity and in vitro avian antimicrobial activity of posterior salivary gland (PSC) toxin from cuttlefish, Sepia prashadi. International Journal of Biological Macromolecules, 2019, 124, 1145-1155.	3.6	8
1701	Dirhodium (II) complex interferes with iron-transport system to exert antibacterial action against Streptococcus pneumoniae. Journal of Proteomics, 2019, 194, 160-167.	1.2	10
1702	Antibiotics Stimulate Formation of Vesicles in <i>Staphylococcus aureus</i> in both Phage-Dependent and -Independent Fashions and via Different Routes. Antimicrobial Agents and Chemotherapy, 2019, 63, .	1.4	86
1703	Antimicrobial, anti-adhesive and anti-biofilm potential of biosurfactants isolated from Pediococcus acidilactici and Lactobacillus plantarum against Staphylococcus aureus CMCC26003. Microbial Pathogenesis, 2019, 127, 12-20.	1.3	99
1704	Negative effect of copper nanoparticles on the conjugation frequency of conjugative catabolic plasmids. Ecotoxicology and Environmental Safety, 2019, 169, 662-668.	2.9	22
1705	Isolation and identification of Pseudomonas from wastewater, its immobilization in cellulose biopolymer and performance in degrading Triclosan. Journal of Environmental Management, 2019, 232, 584-591.	3.8	19
1706	Can lactic acid bacteria be an efficient tool for controlling Listeria monocytogenes contamination on cheese surface? The case of Gorgonzola cheese. Food Control, 2019, 96, 499-507.	2.8	28

#	ARTICLE	IF	CITATIONS
1707	Benzophenanthridine alkaloids from the roots of <i>Thalictrum microgynum</i> Lecoy.ex Oliv. Natural Product Research, 2019, 33, 2964-2969.	1.0	9
1708	Comprehensive review of antimicrobial activities of plant flavonoids. Phytochemistry Reviews, 2019, 18, 241-272.	3.1	532
1709	Cytotoxic and antibacterial polyketide-indole hybrids synthesized from indole-3-carbinol by <i>Daldinia eschscholzii</i> . Acta Pharmaceutica Sinica B, 2019, 9, 369-380.	5.7	14
1710	Synthesis, characterization and antimicrobial studies on 13-membered-N6-macrocyclic transition metal complexes containing trimethoprim. Arabian Journal of Chemistry, 2019, 12, 1176-1185.	2.3	2
1711	Effect of Extraction Process on Composition, Antioxidant and Antibacterial Activity of Oil from Yellow Passion Fruit (<i>Passiflora edulis</i> Var. <i>Flavicarpa</i>) Seeds. Waste and Biomass Valorization, 2019, 10, 2611-2625.	1.8	40
1712	Novel Stenphol Derivatives from a marine fungus <i>Pleospora</i> sp. Natural Product Research, 2019, 33, 367-373.	1.0	7
1713	Green Synthesis of Silver Nanoparticles Using Sapota Fruit Waste and Evaluation of Their Antimicrobial Activity. Waste and Biomass Valorization, 2019, 10, 2353-2363.	1.8	43
1714	Bioinspired synthesis of pure massicot phase lead oxide nanoparticles and assessment of their biocompatibility, cytotoxicity and in-vitro biological properties. Arabian Journal of Chemistry, 2020, 13, 916-931.	2.3	74
1715	The periodic table of urea derivative: small molecules of zinc(II) and nickel(II) of diverse antimicrobial and antiproliferative applications. Molecular Diversity, 2020, 24, 31-43.	2.1	13
1716	Trypethelone and phenalenone derivatives isolated from the mycobiont culture of <i>Trypethelium eluteriae</i> Spreng. and their anti-mycobacterial properties. Natural Product Research, 2020, 34, 3320-3327.	1.0	7
1717	Identification of pyrrolo-pyridine derivatives as novel class of antibacterials. Molecular Diversity, 2020, 24, 233-239.	2.1	6
1718	Fast chromium removal by <i>Shewanella</i> sp.: an enzymatic mechanism depending on serine protease. International Journal of Environmental Science and Technology, 2020, 17, 143-152.	1.8	4
1719	Tetrahydrocarbazoles as Novel Class of DNA Biosynthesis Inhibitors in Bacteria. Anti-Infective Agents, 2020, 18, 121-127.	0.1	4
1720	Essential oils in vapor phase as alternative antimicrobials: A review. Critical Reviews in Food Science and Nutrition, 2020, 60, 1641-1650.	5.4	106
1721	High-level aminoglycoside resistance and distribution of aminoglycoside resistance genes among <i>Enterococcus</i> spp. clinical isolates in Tehran, Iran. Journal of Global Antimicrobial Resistance, 2020, 20, 318-323.	0.9	5
1722	Long-term Persistence of an Extensively Drug-Resistant Subclade of Globally Distributed <i>Pseudomonas aeruginosa</i> Clonal Complex 446 in an Academic Medical Center. Clinical Infectious Diseases, 2020, 71, 1524-1531.	2.9	20
1723	Nonoptimal Vaginal Microbiota After Azithromycin Treatment for <i>Chlamydia trachomatis</i> Infection. Journal of Infectious Diseases, 2020, 221, 627-635.	1.9	33
1724	Synthesis and antibacterial evaluation of a novel library of 2-(thiazol-5-yl)-1,3,4-oxadiazole derivatives against methicillin-resistant <i>Staphylococcus aureus</i> (MRSA). Bioorganic Chemistry, 2020, 94, 103364.	2.0	38

#	ARTICLE	IF	CITATIONS
1725	Synthesis and preparation of responsive poly(Dimethyl acrylamide/gelatin and pomegranate extract) as a novel food packaging material. <i>Materials Science and Engineering C</i> , 2020, 108, 110339.	3.8	35
1726	Probiotic Characterization of Cholesterol-Lowering <i>Lactobacillus fermentum</i> MJM60397. <i>Probiotics and Antimicrobial Proteins</i> , 2020, 12, 1161-1172.	1.9	22
1727	Synthesis, molecular structure, anti-microbial, anti-oxidant and enzyme inhibition activities of 2-amino-6-methylbenzothiazole and its Cu(II) and Ag(I) complexes. <i>Journal of Molecular Structure</i> , 2020, 1199, 126956.	1.8	25
1728	Production of a Recombinant Peptide (Lasioglossin LL $\hat{\text{T}}^{\text{TM}}\hat{\text{T}}^{\text{TM}}\hat{\text{T}}^{\text{TM}}$) and Assessment of Antibacterial and Antioxidant Activity. <i>International Journal of Peptide Research and Therapeutics</i> , 2020, 26, 1021-1029.	0.9	4
1729	Probiotic Characterization of <i>Lactobacillus paracasei</i> subsp. <i>paracasei</i> KNI9 Inhibiting Adherence of <i>Yersinia enterocolitica</i> on Caco-2 Cells In Vitro. <i>Probiotics and Antimicrobial Proteins</i> , 2020, 12, 600-607.	1.9	10
1730	Modification of lactoferrin by peroxyxynitrite reduces its antibacterial activity and changes protein structure. <i>Proteins: Structure, Function and Bioinformatics</i> , 2020, 88, 166-174.	1.5	8
1731	Structural characterization and biological activity of Crabrolin peptide isoforms with different positive charge. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2020, 1862, 183055.	1.4	12
1732	Synthesis, structural characterization and biological evaluation of novel mixed-ligand Co(II) complexes as quorum sensing inhibitory agent. <i>Journal of Molecular Structure</i> , 2020, 1202, 127322.	1.8	8
1733	The Role of Zinc Efflux during <i>Acinetobacter baumannii</i> Infection. <i>ACS Infectious Diseases</i> , 2020, 6, 150-158.	1.8	21
1734	Antibacterial activity of human mesenchymal stem cells mediated directly by constitutively secreted factors and indirectly by activation of innate immune effector cells. <i>Stem Cells Translational Medicine</i> , 2020, 9, 235-249.	1.6	92
1735	Effectiveness of reactive oxygen species generated from rGO/CdS QD heterostructure for photodegradation and disinfection of pollutants in waste water. <i>Materials Science and Engineering C</i> , 2020, 108, 110372.	3.8	36
1736	New imidazolone derivatives comprising a benzoate or sulfonamide moiety as anti-inflammatory and antibacterial inhibitors: Design, synthesis, selective COX-2, DHFR and molecular-modeling study. <i>Bioorganic Chemistry</i> , 2020, 99, 103438.	2.0	29
1737	Novel antimicrobial peptide discovery using machine learning and biophysical selection of minimal bacteriocin domains. <i>Drug Development Research</i> , 2020, 81, 43-51.	1.4	33
1738	Synthesis of promising antimicrobial agents: hydrazide and hydrazones of 5-nitrofuranoic acid. <i>Chemical Biology and Drug Design</i> , 2020, 95, 260-269.	1.5	18
1739	Design, synthesis, and evaluation of compounds capable of reducing <i>Pseudomonas aeruginosa</i> virulence. <i>European Journal of Medicinal Chemistry</i> , 2020, 185, 111800.	2.6	23
1740	Silica-Polymer Composites as the Novel Antibiotic Delivery Systems for Bone Tissue Infection. <i>Pharmaceutics</i> , 2020, 12, 28.	2.0	17
1741	Proteomic Investigation of Tolerant <i>Escherichia coli</i> Populations from Cyclic Antibiotic Treatment. <i>Journal of Proteome Research</i> , 2020, 19, 900-913.	1.8	39
1742	A new high-yielding antimicrobial peptide NZX and its antibacterial activity against <i>Staphylococcus hyicus</i> in vitro/vivo. <i>Applied Microbiology and Biotechnology</i> , 2020, 104, 1555-1568.	1.7	19

#	ARTICLE	IF	CITATIONS
1743	Biological evaluation and chemoproteomics reveal potential antibacterial targets of a cajaninstilbene-acid analogue. <i>European Journal of Medicinal Chemistry</i> , 2020, 188, 112026.	2.6	11
1744	Total Synthesis of Analogs of A54145D and A54145A1 for Structure-Activity Relationship Studies. <i>Journal of Organic Chemistry</i> , 2020, 85, 2213-2219.	1.7	7
1745	Galactoxyloglucan Endowed Biogenic Nanoimmunobiotics Arrests Microbial Growth and Elicits Antitumor Immunity. <i>ACS Applied Bio Materials</i> , 2020, 3, 801-814.	2.3	7
1746	<i>Xanthomonas campestris</i> sensor kinase HpaS coopts the orphan response regulator VemR to form a branched two-component system that regulates motility. <i>Molecular Plant Pathology</i> , 2020, 21, 360-375.	2.0	14
1747	A dual-action peptide-containing hydrogel targets wound infection and inflammation. <i>Science Translational Medicine</i> , 2020, 12, .	5.8	105
1748	The screening of traditional Chinese herbs on nonspecific immune response and protection of Pacific white shrimp (<i>Litopenaeus vannamei</i>) from <i>Vibrio harveyi</i> infection. <i>Aquaculture International</i> , 2020, 28, 767-776.	1.1	10
1749	Aryl Hydrocarbon Receptor Modulation by Tuberculosis Drugs Impairs Host Defense and Treatment Outcomes. <i>Cell Host and Microbe</i> , 2020, 27, 238-248.e7.	5.1	26
1750	Active properties of edible marine polysaccharide-based coatings containing <i>Larrea nitida</i> polyphenols enriched extract. <i>Food Hydrocolloids</i> , 2020, 102, 105595.	5.6	41
1751	Genomic and phenotypic assessments of safety and probiotic properties of <i>Streptococcus macedonicus</i> strains of dairy origin. <i>Food Research International</i> , 2020, 130, 108931.	2.9	13
1752	Binding and Transport of Carboxylated Drugs by the Multidrug Transporter AcrB. <i>Journal of Molecular Biology</i> , 2020, 432, 861-877.	2.0	37
1753	Qualitative and Quantitative Changes to <i>Escherichia coli</i> during Treatment with Magainin 2 Observed in Native Conditions by Atomic Force Microscopy. <i>Langmuir</i> , 2020, 36, 650-659.	1.6	10
1754	Impact of bacterial species and baseline resistance on fosfomycin efficacy in urinary tract infections. <i>Journal of Antimicrobial Chemotherapy</i> , 2020, 75, 988-996.	1.3	13
1755	In vitro cytotoxicity study and anti- <i>Brucella</i> activity of <i>Tarenna asiatica</i> (L). <i>South African Journal of Botany</i> , 2020, 128, 54-61.	1.2	10
1756	Toxicity of tetracycline and its transformation products to a phosphorus removing <i>Shewanella</i> strain. <i>Chemosphere</i> , 2020, 246, 125681.	4.2	20
1757	2-Phenylbutyric acid based organotin(IV) carboxylates; synthesis, spectroscopic characterization, antibacterial action against plant pathogens and in vitro hemolysis. <i>Journal of Molecular Structure</i> , 2020, 1203, 127378.	1.8	11
1758	Novel benzyl phenyl sulfide derivatives as antibacterial agents against methicillin-resistant <i>Staphylococcus aureus</i> . <i>Journal of Antibiotics</i> , 2020, 73, 82-90.	1.0	11
1759	Properties of epsilon-polylysine-HCl/high-methoxyl pectin polyelectrolyte complexes and their commercial application. <i>Journal of Food Processing and Preservation</i> , 2020, 44, e14320.	0.9	17
1760	Rapid identification and quantification of the antibiotic susceptibility of lactic acid bacteria using surface enhanced Raman spectroscopy. <i>Analytical Methods</i> , 2020, 12, 376-382.	1.3	13

#	ARTICLE	IF	CITATIONS
1761	Removal of organic micropollutants from biologically treated greywater using continuous-flow vacuum-UV/UVC photo-reactor. <i>Environmental Science and Pollution Research</i> , 2020, 27, 7578-7587.	2.7	13
1762	<i>Chlamydomonas reinhardtii</i> -expressed multimer of ToAMP4 inhibits the growth of bacteria of both Gram-positive and Gram-negative. <i>Process Biochemistry</i> , 2020, 91, 311-318.	1.8	18
1763	Conductometric sensor for viable <i>Escherichia coli</i> and <i>Staphylococcus aureus</i> based on magnetic analyte separation via aptamer. <i>Mikrochimica Acta</i> , 2020, 187, 43.	2.5	27
1764	Effects of <i>S. mutans</i> gene-modification and antibacterial monomer dimethylaminohexadecyl methacrylate on biofilm growth and acid production. <i>Dental Materials</i> , 2020, 36, 296-309.	1.6	17
1765	Potentiated In Vitro Probiotic Activities of <i>Lactobacillus fermentum</i> LfQi6 Biofilm Biomass Versus Planktonic Culture. <i>Probiotics and Antimicrobial Proteins</i> , 2020, 12, 1097-1114.	1.9	6
1766	Biochemical and functional properties of a new L-amino acid oxidase (LAO) from <i>Micrurus lemniscatus</i> snake venom. <i>International Journal of Biological Macromolecules</i> , 2020, 154, 1517-1527.	3.6	8
1767	Manuka honey chelates iron and impacts iron regulation in key bacterial pathogens. <i>Journal of Applied Microbiology</i> , 2020, 128, 1015-1024.	1.4	10
1768	The anti-biofilm potential of triterpenoids isolated from <i>Sarcochlamys pulcherrima</i> (Roxb.) Gaud. <i>Microbial Pathogenesis</i> , 2020, 139, 103901.	1.3	8
1769	Genetic Manipulation of Wild Human Gut <i>Bacteroides</i> . <i>Journal of Bacteriology</i> , 2020, 202, .	1.0	33
1770	Root colonization by heavy metal resistant <i>Enterobacter</i> and its influence on metal induced oxidative stress on <i>Cajanus cajan</i> . <i>Journal of the Science of Food and Agriculture</i> , 2020, 100, 1532-1540.	1.7	23
1771	Design and Characterization of a Novel Hybrid Antimicrobial Peptide OM19R Based on Oncocin and MDAP-2. <i>International Journal of Peptide Research and Therapeutics</i> , 2020, 26, 1839-1846.	0.9	7
1772	Efficient synthesis and molecular docking of novel antibacterial pyrimidines and their related fused heterocyclic derivatives. <i>Journal of Heterocyclic Chemistry</i> , 2020, 57, 590-605.	1.4	28
1773	Variability in Zinc Concentration among Mueller-Hinton Broth Brands: Impact on Antimicrobial Susceptibility Testing of Metallo- β -Lactamase-Producing <i>Enterobacteriaceae</i> . <i>Journal of Clinical Microbiology</i> , 2020, 58, .	1.8	17
1774	Engineering of Long-Circulating Peptidoglycan Hydrolases Enables Efficient Treatment of Systemic <i>Staphylococcus aureus</i> Infection. <i>MBio</i> , 2020, 11, .	1.8	17
1775	Antimicrobial Activity of Some Essential Oils against Methicillin-Susceptible and Methicillin-Resistant <i>Staphylococcus pseudintermedius</i> -Associated Pyoderma in Dogs. <i>Animals</i> , 2020, 10, 1782.	1.0	16
1776	Antimicrobial and Anti-Quorum Sensing Activities of Phlorotannins From Seaweed (<i>Hizikia fusiforme</i>). <i>Frontiers in Cellular and Infection Microbiology</i> , 2020, 10, 586750.	1.8	28
1777	A simple, inexpensive, and rapid method to assess antibiotic effectiveness against exoelectrogenic bacteria. <i>Biosensors and Bioelectronics</i> , 2020, 168, 112518.	5.3	27
1778	Physiological responses of <i>Arthrobacter</i> sp. JQ-1 cell interfaces to co-existed di-(2-ethylhexyl) phthalate (DEHP) and copper. <i>Ecotoxicology and Environmental Safety</i> , 2020, 205, 111163.	2.9	11

#	ARTICLE	IF	CITATIONS
1779	A New Water-Soluble Bactericidal Agent for the Treatment of Infections Caused by Gram-Positive and Gram-Negative Bacterial Strains. <i>Antibiotics</i> , 2020, 9, 586.	1.5	41
1780	Potential of Cell-Free Supernatant from <i>Lactobacillus plantarum</i> NIBR97, Including Novel Bacteriocins, as a Natural Alternative to Chemical Disinfectants. <i>Pharmaceuticals</i> , 2020, 13, 266.	1.7	24
1781	Phytochemical screening and in vitro evaluation of antioxidant and antibacterial activities of <i>Teucrium trifidum</i> crude extracts. <i>Heliyon</i> , 2020, 6, e04395.	1.4	7
1782	Bioinspired Non-Immunogenic Multifunctional Sealant for Efficient Blood Clotting and Suture-Free Wound Closure. <i>ACS Biomaterials Science and Engineering</i> , 2020, 6, 6378-6393.	2.6	7
1783	Pectin-gellan films intended for active food packaging: release kinetics of nisin and physico-mechanical characterization. <i>Journal of Food Science and Technology</i> , 2021, 58, 2973-2981.	1.4	14
1784	The use of low-cost brewery waste product for the production of surfactin as a natural microbial biocide. <i>Biotechnology Reports (Amsterdam, Netherlands)</i> , 2020, 28, e00537.	2.1	12
1785	Antimicrobial activity, phytochemical screening of crude extracts, and essential oils constituents of two <i>Pulicaria</i> spp. growing in Sudan. <i>Scientific Reports</i> , 2020, 10, 17148.	1.6	38
1786	Effect of charge status on the ion transport and antimicrobial activity of synthetic channels. <i>Chemical Communications</i> , 2020, 56, 13796-13799.	2.2	10
1787	Antibacterial Use of Macroalgae Compounds against Foodborne Pathogens. <i>Antibiotics</i> , 2020, 9, 712.	1.5	29
1788	Antimicrobial peptide-modified silver nanoparticles for enhancing the antibacterial efficacy. <i>RSC Advances</i> , 2020, 10, 38746-38754.	1.7	26
1789	Reduction of Oxidative Stress through Activating the Nrf2 mediated HO-1 Antioxidant Efficacy Signaling Pathway by MS15, an Antimicrobial Peptide from <i>Bacillus velezensis</i> . <i>Antioxidants</i> , 2020, 9, 934.	2.2	15
1790	Peptide-Based Approach to Inhibition of the Multidrug Resistance Efflux Pump AcrB. <i>Biochemistry</i> , 2020, 59, 3973-3981.	1.2	9
1791	The <i>Hirudo Medicinalis</i> Microbiome Is a Source of New Antimicrobial Peptides. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7141.	1.8	12
1792	Mutually Isomeric 2- and 4-(3-Nitro-1,2,4-triazol-1-yl)pyrimidines Inspired by an Antimycobacterial Screening Hit: Synthesis and Biological Activity against the ESKAPE Panel of Pathogens. <i>Antibiotics</i> , 2020, 9, 666.	1.5	5
1793	Retargeting azithromycin analogues to have dual-modality antimalarial activity. <i>BMC Biology</i> , 2020, 18, 133.	1.7	13
1794	Repurposing a peptide toxin from wasp venom into anti-infectives with dual antimicrobial and immunomodulatory properties. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 26936-26945.	3.3	48
1795	Design of antimicrobial and cytolytic peptides by computational analysis of bacterial, algal, and invertebrate proteomes. <i>Amino Acids</i> , 2020, 52, 1403-1412.	1.2	3
1796	Synthesis of Natural and Unnatural Quinolones Inhibiting the Growth and Motility of Bacteria. <i>Journal of Natural Products</i> , 2020, 83, 3181-3190.	1.5	15

#	ARTICLE	IF	CITATIONS
1797	Mononuclear silver(I)-N-heterocyclic carbene complexes with benzimidazole-2-ylidene ligands: synthesis, crystal structure analyses and comparative antibacterial studies. <i>Journal of Coordination Chemistry</i> , 2020, 73, 2698-2717.	0.8	9
1798	An in vitro evaluation of zinc silicate fortified chitosan scaffolds for bone tissue engineering. <i>International Journal of Biological Macromolecules</i> , 2020, 164, 4252-4262.	3.6	21
1799	A Macromolecule Reversing Antibiotic Resistance Phenotype and Repurposing Drugs as Potent Antibiotics. <i>Advanced Science</i> , 2020, 7, 2001374.	5.6	53
1800	Phytochemical profiling using HPLC-MS and evaluation of antioxidant and antibacterial activities of Nepalese medicinal plants. <i>Vegetos</i> , 2020, 33, 628-640.	0.8	5
1801	Antimicrobial activity and mechanism of peptide CM4 against <i>Pseudomonas aeruginosa</i> . <i>Food and Function</i> , 2020, 11, 7245-7254.	2.1	11
1802	Inhibition and eradication activity of truncated λ -defensin analogs against multidrug resistant uropathogenic <i>Escherichia coli</i> biofilm. <i>PLoS ONE</i> , 2020, 15, e0235892.	1.1	12
1803	Machine Learning Platform to Discover Novel Growth Inhibitors of <i>Neisseria gonorrhoeae</i> . <i>Pharmaceutical Research</i> , 2020, 37, 141.	1.7	7
1804	Novel bis(pyrazole-benzofuran) hybrids possessing piperazine linker: Synthesis of potent bacterial biofilm and MurB inhibitors. <i>Bioorganic Chemistry</i> , 2020, 102, 104094.	2.0	44
1805	Green synthesis of Ag@Au bimetallic composite nanoparticles using a polysaccharide extracted from <i>Ramaria botrytis</i> mushroom and performance in catalytic reduction of 4-nitrophenol and antioxidant, antibacterial activity. <i>Environmental Nanotechnology, Monitoring and Management</i> , 2020, 14, 100341.	1.7	16
1806	Time-Resolved Studies of Bioluminescence From <i>Photobacterium Leignathi</i> and Rapid Antimicrobial Susceptibility Testing on <i>E. Coli</i> Using Tunable Diode Laser Spectroscopy. <i>IEEE Sensors Journal</i> , 2020, 20, 11073-11081.	2.4	4
1807	Pharmacodynamic Evaluation of Plasma and Epithelial Lining Fluid Exposures of Amikacin against <i>Pseudomonas aeruginosa</i> in a Dynamic In Vitro Hollow-Fiber Infection Model. <i>Antimicrobial Agents and Chemotherapy</i> , 2020, 64, .	1.4	7
1808	Response Surface Optimization of Culture Conditions for Cyclic Lipopeptide MS07 from <i>Bacillus siamensis</i> Reveals Diverse Insights Targeting Antimicrobial and Antibiofilm Activity. <i>Processes</i> , 2020, 8, 744.	1.3	11
1809	Effect of ozone stress on the intracellular metabolites from <i>Cobetia marina</i> . <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 5853-5861.	1.9	5
1810	Synthesis and in vitro bioactivity study of new hydrazide-hydrazones of 5-bromo-2-iodobenzoic acid. <i>Biomedicine and Pharmacotherapy</i> , 2020, 130, 110526.	2.5	18
1811	Bioactive glass S53P4 eradicates <i>Staphylococcus aureus</i> in biofilm/planktonic states in vitro. <i>Upsala Journal of Medical Sciences</i> , 2020, 125, 217-225.	0.4	9
1812	The Effect of Growth Medium Strength on Minimum Inhibitory Concentrations of Tannins and Tannin Extracts against <i>E. coli</i> . <i>Molecules</i> , 2020, 25, 2947.	1.7	30
1813	Enhanced eradication of intracellular and biofilm-residing methicillin-resistant <i>Staphylococcus aureus</i> (MRSA) reservoirs with hybrid nanoparticles delivering rifampicin. <i>International Journal of Pharmaceutics</i> , 2020, 589, 119784.	2.6	15
1814	Antibacterial and Anti-Fungal Biological Activities for Acrylonitrile, Acrylamide and 2-Acrylamido-2-Methylpropane Sulphonic Acid Crosslinked Terpolymers. <i>Materials</i> , 2020, 13, 4891.	1.3	8

#	ARTICLE	IF	CITATIONS
1815	Large-scale mass spectrometry data combined with demographics analysis rapidly predicts methicillin resistance in <i>Staphylococcus aureus</i> . <i>Briefings in Bioinformatics</i> , 2020, 22, .	3.2	11
1816	Conjugation of Synthetic Polyproline Moieties to Lipid II Binding Fragments of Nisin Yields Active and Stable Antimicrobials. <i>Frontiers in Microbiology</i> , 2020, 11, 575334.	1.5	9
1817	Known Evolutionary Paths Are Accessible to Engineered β -Lactamases Having Altered Protein Motions at the Timescale of Catalytic Turnover. <i>Frontiers in Molecular Biosciences</i> , 2020, 7, 599298.	1.6	3
1818	Effects of Rationally Designed Physico-Chemical Variants of the Peptide PuroA on Biocidal Activity towards Bacterial and Mammalian Cells. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8624.	1.8	8
1819	<i>Staphylococcal DNA Repair Is Required for Infection</i> . <i>MBio</i> , 2020, 11, .	1.8	18
1820	Molecular Phylogenetics and Biological Potential of Fungal Endophytes From Plants of the Sundarbans Mangrove. <i>Frontiers in Microbiology</i> , 2020, 11, 570855.	1.5	16
1821	Bioprospecting the antimicrobial, antibiofilm and antiproliferative activity of <i>Symplocos racemosa</i> Roxb. Bark phytoconstituents along with their biosafety evaluation and detection of antimicrobial components by GC-MS. <i>BMC Pharmacology & Toxicology</i> , 2020, 21, 78.	1.0	3
1822	Secondary Structural Transformation of Bovine Lactoferricin Affects Its Antibacterial Activity. <i>Probiotics and Antimicrobial Proteins</i> , 2021, 13, 873-884.	1.9	5
1823	How do Self-Assembling Antimicrobial Lipopeptides Kill Bacteria?. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 55675-55687.	4.0	35
1824	A pleurocidin analogue with greater conformational flexibility, enhanced antimicrobial potency and in vivo therapeutic efficacy. <i>Communications Biology</i> , 2020, 3, 697.	2.0	14
1825	Synthetic Peptide Libraries Designed From a Minimal Alpha-Helical Domain of AS-48-Bacteriocin Homologs Exhibit Potent Antibacterial Activity. <i>Frontiers in Microbiology</i> , 2020, 11, 589666.	1.5	6
1826	Effect of membrane fusion protein AdeT1 on the antimicrobial resistance of <i>Escherichia coli</i> . <i>Scientific Reports</i> , 2020, 10, 20464.	1.6	4
1827	3D microfluidic gradient generator for combination antimicrobial susceptibility testing. <i>Microsystems and Nanoengineering</i> , 2020, 6, 92.	3.4	25
1828	Fatty Acid Conjugation Leads to Length-Dependent Antimicrobial Activity of a Synthetic Antibacterial Peptide (Pep19-4LF). <i>Antibiotics</i> , 2020, 9, 844.	1.5	12
1829	Analysis of Complete Genome Sequence of <i>Acinetobacter baumannii</i> Strain ATCC 19606 Reveals Novel Mobile Genetic Elements and Novel Prophage. <i>Microorganisms</i> , 2020, 8, 1851.	1.6	15
1830	Expression of Hybrid Peptide EF-1 in <i>Pichia pastoris</i> , Its Purification, and Antimicrobial Characterization. <i>Molecules</i> , 2020, 25, 5538.	1.7	14
1831	Scorpion-Venom-Derived Antimicrobial Peptide C _{ss} 54 Exerts Potent Antimicrobial Activity by Disrupting Bacterial Membrane of Zoonotic Bacteria. <i>Antibiotics</i> , 2020, 9, 831.	1.5	9
1832	Systems evaluation reveals novel transporter YohJK renders 3-hydroxypropionate tolerance in <i>Escherichia coli</i> . <i>Scientific Reports</i> , 2020, 10, 19064.	1.6	17

#	ARTICLE	IF	CITATIONS
1833	Attachment and antibiotic response of early-stage biofilms studied using resonant hyperspectral imaging. <i>Npj Biofilms and Microbiomes</i> , 2020, 6, 57.	2.9	21
1834	Affordable automated phenotypic antibiotic susceptibility testing method based on a contactless conductometric sensor. <i>Scientific Reports</i> , 2020, 10, 21216.	1.6	3
1835	Phenolic extract of <i>Eugenia uniflora</i> L. and furanone reduce biofilm formation by <i>Serratia liquefaciens</i> and increase its susceptibility to antimicrobials. <i>Biofouling</i> , 2020, 36, 1-18.	0.8	5
1836	Genome- and Proteome-Wide Analysis of Lysine Acetylation in <i>Vibrio vulnificus</i> Vv180806 Reveals Its Regulatory Roles in Virulence and Antibiotic Resistance. <i>Frontiers in Microbiology</i> , 2020, 11, 591287.	1.5	11
1837	Novel Antibiotic Combinations of Diverse Subclasses for Effective Suppression of Extensively Drug-Resistant Methicillin-Resistant <i>Staphylococcus aureus</i> (MRSA). <i>International Journal of Microbiology</i> , 2020, 2020, 1-10.	0.9	2
1838	Quantitative secretome analysis of polymyxin B resistance in <i>Escherichia coli</i> . <i>Biochemical and Biophysical Research Communications</i> , 2020, 530, 307-313.	1.0	3
1839	Innate immune function of serine/threonine-protein kinase from <i>Macrobrachium rosenbergii</i> in response to host-pathogen interactions. <i>Fish and Shellfish Immunology</i> , 2020, 106, 332-340.	1.6	5
1840	Cyclic Derivative of Host-Defense Peptide IDR-1018 Improves Proteolytic Stability, Suppresses Inflammation, and Enhances In Vivo Activity. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 9228-9236.	2.9	39
1841	Synthesis and Characterization of Heterodimers and Fluorescent Nisin Species by Incorporation of Methionine Analogues and Subsequent Click Chemistry. <i>ACS Synthetic Biology</i> , 2020, 9, 2525-2536.	1.9	11
1842	Improvement of Therapeutic Index by the Combination of Enhanced Peptide Cationicity and Proline Introduction. <i>ACS Infectious Diseases</i> , 2020, 6, 2271-2278.	1.8	10
1843	Decreased vancomycin susceptibility among <i>Staphylococcus aureus</i> clinical isolates and postulated platforms to explore rational drugs. <i>Reviews in Medical Microbiology</i> , 2020, 31, 111-116.	0.4	2
1844	Structural Basis and Binding Kinetics of Vaborbactam in Class A β -Lactamase Inhibition. <i>Antimicrobial Agents and Chemotherapy</i> , 2020, 64, .	1.4	9
1845	<p>Synergistic Effect and Mechanism of Plumbagin with Gentamicin Against Carbapenem-Resistant <p><p>. <i>Infection and Drug Resistance</i> , 2020, Volume 13, 2751-2759.	1.1	9
1846	<p>A Synthetic Peptide 2Abz<sup>23</sup>S<sup>29</sup> Reduces Bacterial Titer and Induces Pro-Inflammatory Cytokines in a Murine Model of Urinary Tract Infection<p>. <i>Drug Design, Development and Therapy</i> , 2020, Volume 14, 2797-2807.	2.0	4
1847	New 8-O-4&sup>2 Neolignans and Their Antibacterial Activity from the Whole Plants of <i>Clematis lasiantha</i>. <i>ACS Omega</i> , 2020, 5, 19661-19666.	1.6	9
1848	Effect of bacterial nanocellulose binding on the bactericidal activity of bovine lactoferrin. <i>Heliyon</i> , 2020, 6, e04372.	1.4	9
1849	Characterization and antibacterial action mode of bacteriocin BMP32r and its application as antimicrobial agent for the therapy of multidrug-resistant bacterial infection. <i>International Journal of Biological Macromolecules</i> , 2020, 164, 845-854.	3.6	24
1850	Pre-growth conditions and strain diversity affect nisin treatment efficacy against <i>Listeria monocytogenes</i> on cold-smoked salmon. <i>International Journal of Food Microbiology</i> , 2020, 333, 108793.	2.1	9

#	ARTICLE	IF	CITATIONS
1851	Effects of Long-Term exposure to Heavy Metals upon Rhizosphere Bacteria from Baia Mare Area (MaramureÅ County, Romania). <i>Geomicrobiology Journal</i> , 2020, 37, 867-876.	1.0	1
1852	Antimicrobial Peptide-Templated Silver Nanoclusters with Membrane Activity for Enhanced Bacterial Killing. <i>Journal of Nanoscience and Nanotechnology</i> , 2020, 20, 1425-1433.	0.9	9
1853	A Natural Dietary Flavone Myricetin as an Î±-Hemolysin Inhibitor for Controlling <i>Staphylococcus aureus</i> Infection. <i>Frontiers in Cellular and Infection Microbiology</i> , 2020, 10, 330.	1.8	26
1854	Temporal Evolution of Bacterial Endophytes Associated to the Roots of <i>Phragmites australis</i> Exploited in Phytodepuration of Wastewater. <i>Frontiers in Microbiology</i> , 2020, 11, 1652.	1.5	8
1855	Characterization of Corosolic Acid as a KPC-2 Inhibitor That Increases the Susceptibility of KPC-2-Positive Bacteria to Carbapenems. <i>Frontiers in Pharmacology</i> , 2020, 11, 1047.	1.6	7
1856	Antioxidant, Antimicrobial, and Other Biological Properties of Pompi Juice. <i>Molecules</i> , 2020, 25, 3186.	1.7	26
1857	Proteomic Study of the Survival and Resuscitation Mechanisms of Filamentous Persisters in an Evolved <i>Escherichia coli</i> Population from Cyclic Ampicillin Treatment. <i>MSystems</i> , 2020, 5, .	1.7	23
1858	A Noncytotoxic Temporin L Analogue with <i>In Vivo</i> Antibacterial and Antiendotoxin Activities and a Nonmembrane-Lytic Mode of Action. <i>ACS Infectious Diseases</i> , 2020, 6, 2369-2385.	1.8	12
1859	Evidence Supporting an Antimicrobial Origin of Targeting Peptides to Endosymbiotic Organelles. <i>Cells</i> , 2020, 9, 1795.	1.8	19
1860	Bacterial Isolation Microwell-Plug (1/4WELLplug) for Rapid Antibiotic Susceptibility Testing Using Morphology Analysis. <i>ACS Applied Bio Materials</i> , 2020, 3, 4798-4808.	2.3	4
1861	Multi-omics based characterization of antibiotic response in clinical isogenic isolates of methicillin-susceptible/-resistant <i>Staphylococcus aureus</i> . <i>RSC Advances</i> , 2020, 10, 27864-27873.	1.7	7
1862	Phage-Antibiotic Synergy Is Driven by a Unique Combination of Antibacterial Mechanism of Action and Stoichiometry. <i>MBio</i> , 2020, 11, .	1.8	151
1863	Mimicry of a Non-ribosomally Produced Antimicrobial, Brevicidine, by Ribosomal Synthesis and Post-translational Modification. <i>Cell Chemical Biology</i> , 2020, 27, 1262-1271.e4.	2.5	25
1864	Sulfamethoxazole drug stress upregulates antioxidant immunomodulatory metabolites in <i>Escherichia coli</i> . <i>Nature Microbiology</i> , 2020, 5, 1319-1329.	5.9	19
1865	Molecular design of antimicrobial conjugated oligoelectrolytes with enhanced selectivity toward bacterial cells. <i>Chemical Science</i> , 2020, 11, 8138-8144.	3.7	20
1866	Antimicrobial Peptide Cec4 Eradicates the Bacteria of Clinical Carbapenem-Resistant <i>Acinetobacter baumannii</i> Biofilm. <i>Frontiers in Microbiology</i> , 2020, 11, 1532.	1.5	32
1867	Isoxazole derivatives of silatrane: synthesis, characterization, in silico ADME profile, prediction of potential pharmacological activity and evaluation of antimicrobial action. <i>Applied Organometallic Chemistry</i> , 2020, 34, e5976.	1.7	23
1868	Physical, Thermal, and Antibacterial Effects of Active Essential Oils with Potential for Biomedical Applications Loaded onto Cellulose Acetate/Polycaprolactone Wet-Spun Microfibers. <i>Biomolecules</i> , 2020, 10, 1129.	1.8	24

#	ARTICLE	IF	CITATIONS
1869	Sodium New Houttuynonate Affects Transcriptome and Virulence Factors of <i>Pseudomonas aeruginosa</i> Controlled by Quorum Sensing. <i>Frontiers in Pharmacology</i> , 2020, 11, 572375.	1.6	9
1870	Performant Composite Materials Based on Oxide Semiconductors and Metallic Nanoparticles Generated from Cloves and Mandarin Peel Extracts. <i>Nanomaterials</i> , 2020, 10, 2146.	1.9	7
1871	Host Defense Peptide-Mimicking Amphiphilic β -Peptide Polymer (Bu:DM) Exhibiting Anti-Biofilm, Immunomodulatory, and <i>in Vivo</i> Anti-Infective Activity. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 12921-12928.	2.9	25
1872	Caprine Bactenecins as Promising Tools for Developing New Antimicrobial and Antitumor Drugs. <i>Frontiers in Cellular and Infection Microbiology</i> , 2020, 10, 552905.	1.8	12
1873	Constituents and antibacterial activity of leaf essential oil of <i>Plectranthus scutellarioides</i> . <i>Plant Biosystems</i> , 2021, 155, 1247-1252.	0.8	9
1874	Effect of intramolecular disulfide bond of bovine lactoferricin on its molecular structure and antibacterial activity against <i>Trueperella pyogenes</i> separated from cow milk with mastitis. <i>BMC Veterinary Research</i> , 2020, 16, 401.	0.7	2
1875	Influence of polysorbates (Tweens) on structural and antimicrobial properties for microemulsions. <i>International Journal of Pharmaceutics</i> , 2020, 590, 119939.	2.6	12
1876	Novel Modifications of Nonribosomal Peptides from <i>Brevibacillus laterosporus</i> MG64 and Investigation of Their Mode of Action. <i>Applied and Environmental Microbiology</i> , 2020, 86, .	1.4	12
1877	A panel of bioluminescent whole-cell bacterial biosensors for the screening for new antibacterial substances from natural extracts. <i>Journal of Microbiological Methods</i> , 2020, 178, 106083.	0.7	7
1878	Antibacterial activity of graphene oxide nanosheet against multidrug resistant superbugs isolated from infected patients. <i>Royal Society Open Science</i> , 2020, 7, 200640.	1.1	69
1879	Mechanism of the Potential Therapeutic Candidate <i>Bacillus subtilis</i> BSXE-1601 Against Shrimp Pathogenic <i>Vibriosis</i> and Multifunctional Metabolites Biosynthetic Capability of the Strain as Predicted by Genome Analysis. <i>Frontiers in Microbiology</i> , 2020, 11, 581802.	1.5	6
1880	Octadecyl 3-(3, 5-di-tert-butyl-4-hydroxyphenyl) propanoate, an antifungal metabolite of <i>Alcaligenes faecalis</i> strain MT332429 optimized through response surface methodology. <i>Applied Microbiology and Biotechnology</i> , 2020, 104, 10755-10768.	1.7	12
1881	High abundance of the colistin resistance gene <i>mcr-1</i> in chicken gut-bacteria in Bangladesh. <i>Scientific Reports</i> , 2020, 10, 17292.	1.6	24
1882	One-Pot Three Component Synthesis of 2-(1H-Benzo[d]thiazole-2-yl)- N-Arylbenzamides in Glycerol Medium. <i>Asian Journal of Chemistry</i> , 2020, 32, 1343-1351.	0.1	0
1883	Rapid Determination of Antimicrobial Susceptibility by Stimulated Raman Scattering Imaging of D_{2O} Metabolic Incorporation in a Single Bacterium. <i>Advanced Science</i> , 2020, 7, 2001452.	5.6	72
1884	Genotypic to Phenotypic Resistance Discrepancies Identified Involving β -Lactamase Genes, <i>KPC</i> , <i>IMP</i> , <i>NDM-1</i> , and <i>VIM</i> in Uropathogenic <i>Klebsiella pneumoniae</i> . <i>Infection and Drug Resistance</i> . 2020. Volume 13. 2863-2875.	1.1	21
1885	Amphiphilic silver nanoclusters show active nano-bio interaction with compelling antibacterial activity against multidrug-resistant bacteria. <i>NPG Asia Materials</i> , 2020, 12, .	3.8	15
1886	Antibacterial, total phenols, antioxidant, and fatty acids of the lyophilized body fat of <i>Podocnemis expansa</i> (Schweigger, 1812) from farm in Acre State, Brazil. <i>Journal of Medicinal Plants Research</i> , 2020, 14, 458-467.	0.2	1

#	ARTICLE	IF	CITATIONS
1887	Enzymatic kinetic resolution of desmethylphosphinothricin indicates that phosphinic group is a bioisostere of carboxyl group. <i>Communications Chemistry</i> , 2020, 3, .	2.0	5
1888	Modulation of <i>Escherichia coli</i> Translation by the Specific Inactivation of tRNA ^{Gly} Under Oxidative Stress. <i>Frontiers in Genetics</i> , 2020, 11, 856.	1.1	14
1889	Successful Development of Bacteriocins into Therapeutic Formulation for Treatment of MRSA Skin Infection in a Murine Model. <i>Antimicrobial Agents and Chemotherapy</i> , 2020, 64, .	1.4	34
1890	Synthesis, Spectral, Thermal and Biological Studies of 4-Cyclohexyl-3-(4-nitrophenyl)methyl-1,2,4-triazolin-5-thione and Its Copper(II) Coordination Compound, [CuCl ₂ (H ₂ O) ₂ L ₂]. <i>Materials</i> , 2020, 13, 4135.	1.3	2
1891	Two ruthenium polypyridyl complexes functionalized with thiophen: synthesis and antibacterial activity against <i>Staphylococcus aureus</i> . <i>New Journal of Chemistry</i> , 2020, 44, 17215-17221.	1.4	12
1892	Riboswitch-Associated Guanidinium-Selective Efflux Pumps Frequently Transmitted on Proteobacterial Plasmids Increase <i>Escherichia coli</i> Biofilm Tolerance to Disinfectants. <i>Journal of Bacteriology</i> , 2020, 202, .	1.0	8
1893	Mechanistic Understanding Enables the Rational Design of Salicylanilide Combination Therapies for Gram-Negative Infections. <i>MBio</i> , 2020, 11, .	1.8	28
1894	Influence of biofilm growth age, media, antibiotic concentration and exposure time on <i>Staphylococcus aureus</i> and <i>Pseudomonas aeruginosa</i> biofilm removal in vitro. <i>BMC Microbiology</i> , 2020, 20, 264.	1.3	45
1895	Combined Effect of Melittin and DNase on <i>Enterococcus faecalis</i> Biofilms and Its Susceptibility to Sodium Hypochlorite. <i>Materials</i> , 2020, 13, 3740.	1.3	6
1896	Electrical antimicrobial susceptibility testing based on aptamer-functionalized capacitance sensor array for clinical isolates. <i>Scientific Reports</i> , 2020, 10, 13709.	1.6	11
1897	Novel mechanisms of TolC-independent decreased bile-salt susceptibility in <i>Escherichia coli</i> . <i>FEMS Microbiology Letters</i> , 2020, 367, .	0.7	3
1898	Activity of Antimicrobial Peptides and Ciprofloxacin against <i>Pseudomonas aeruginosa</i> Biofilms. <i>Molecules</i> , 2020, 25, 3843.	1.7	23
1899	Directing Drugs to Bugs: Antibiotic-Carbohydrate Conjugates Targeting Biofilm-Associated Lectins of <i>Pseudomonas aeruginosa</i> . <i>Journal of Medicinal Chemistry</i> , 2020, 63, 11707-11724.	2.9	28
1900	A study of the in-vitro bioactivity, dissolution and antibacterial activity of larnite prepared by a novel sol-gel combustion method using sucrose as a fuel. <i>Bulletin of Materials Science</i> , 2020, 43, 1.	0.8	5
1901	Unnatural Amino Acid-Based Star-Shaped Poly(Ornithine)s as Emerging Long-Term and Biofilm-Disrupting Antimicrobial Peptides to Treat <i>Pseudomonas aeruginosa</i> -Infected Burn Wounds. <i>Advanced Healthcare Materials</i> , 2020, 9, e2000647.	3.9	41
1902	Aggregated Amphiphilic Antimicrobial Peptides Embedded in Bacterial Membranes. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 44420-44432.	4.0	35
1903	Vision of bacterial ghosts as drug carriers mandates accepting the effect of cell membrane on drug loading. <i>Drug Development and Industrial Pharmacy</i> , 2020, 46, 1716-1725.	0.9	7
1904	Two Tachykinin-Related Peptides with Antimicrobial Activity Isolated from <i>Triatoma infestans</i> Hemolymph. <i>Microbiology Insights</i> , 2020, 13, 117863612093363.	0.9	5

#	ARTICLE	IF	CITATIONS
1905	Synergy of the Bacteriocin AS-48 and Antibiotics against Uropathogenic Enterococci. <i>Antibiotics</i> , 2020, 9, 567.	1.5	13
1906	Rapid antibiotic susceptibility testing of bacteria from patients'™ blood via assaying bacterial metabolic response with surface-enhanced Raman spectroscopy. <i>Scientific Reports</i> , 2020, 10, 12538.	1.6	30
1907	Natural Antimicrobials Meet a Synthetic Antibiotic: Carvacrol/Thymol and Ciprofloxacin Cocrystals as a Promising Solid-State Route to Activity Enhancement. <i>Crystal Growth and Design</i> , 2020, 20, 6796-6803.	1.4	22
1908	Novel Cyclic Lipopeptide Antibiotics: Effects of Acyl Chain Length and Position. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5829.	1.8	15
1909	In Vitro Antibacterial Activity of Manuka (<i>Leptospermum scoparium</i> J.R. et G. Forst) and winter Savory (<i>Satureja montana</i> L.) Essential Oils and Their Blends against Pathogenic <i>E. coli</i> Isolates from Pigs. <i>Animals</i> , 2020, 10, 2202.	1.0	4
1910	Alterins Produced by Oyster-Associated <i>Pseudoalteromonas</i> Are Antibacterial Cyclolipopeptides with LPS-Binding Activity. <i>Marine Drugs</i> , 2020, 18, 630.	2.2	15
1911	Toxicity and Antimicrobial Activities of <i>Amaranthus caudatus</i> L. (Amaranthaceae) Harvested From Formulated Soils at Different Growth Stages. <i>Journal of Evidence-based Integrative Medicine</i> , 2020, 25, 2515690X2097157.	1.4	9
1912	Generation Times of <i>E. coli</i> Prolong with Increasing Tannin Concentration while the Lag Phase Extends Exponentially. <i>Plants</i> , 2020, 9, 1680.	1.6	17
1913	Discovery of a Potent Adenine-Benzyltriazolo-Pleuromutilin Conjugate with Pronounced Antibacterial Activity against MRSA. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 15693-15708.	2.9	20
1914	Copper mediated one-pot synthesis of quinazolinones and exploration of piperazine linked quinazoline derivatives as anti-mycobacterial agents. <i>RSC Advances</i> , 2020, 10, 43533-43538.	1.7	7
1915	Identification of novel targets of azithromycin activity against <i>Pseudomonas aeruginosa</i> grown in physiologically relevant media. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 33519-33529.	3.3	32
1916	Transcriptome changes and polymyxin resistance of acid-adapted <i>Escherichia coli</i> O157:H7 ATCC 43889. <i>Gut Pathogens</i> , 2020, 12, 52.	1.6	2
1917	Comparative evaluation of the effect of different growth media on in vitro sensitivity to azithromycin in multi-drug resistant <i>Pseudomonas aeruginosa</i> isolated from cystic fibrosis patients. <i>Antimicrobial Resistance and Infection Control</i> , 2020, 9, 197.	1.5	9
1918	The Bio-Synthesis of Three Metal Oxide Nanoparticles (ZnO, MnO ₂ , and MgO) and Their Antibacterial Activity Against the Bacterial Leaf Blight Pathogen. <i>Frontiers in Microbiology</i> , 2020, 11, 588326.	1.5	75
1919	Protein isolation of <i>Pterois volitans</i> venomous with a heating process for antibacterial activity assay. <i>IOP Conference Series: Earth and Environmental Science</i> , 2020, 462, 012041.	0.2	0
1920	Graphene Oxide/Copper Nanoderivatives-Modified Chitosan/Hyaluronic Acid Dressings for Facilitating Wound Healing in Infected Full-Thickness Skin Defects. <i>International Journal of Nanomedicine</i> , 2020, Volume 15, 8231-8247.	3.3	36
1921	Synthesis and Biological Evaluation of New Pyridothienopyrimidine Derivatives as Antibacterial Agents and <i>Escherichia coli</i> Topoisomerase II Inhibitors. <i>Antibiotics</i> , 2020, 9, 695.	1.5	23
1922	Cytosolic Crowding Drives the Dynamics of Both Genome and Cytosol in <i>Escherichia coli</i> Challenged with Sub-lethal Antibiotic Treatments. <i>IScience</i> , 2020, 23, 101560.	1.9	13

#	ARTICLE	IF	CITATIONS
1923	Bioinspired Green Synthesis of Chitosan and Zinc Oxide Nanoparticles with Strong Antibacterial Activity against Rice Pathogen <i>Xanthomonas oryzae</i> pv. <i>oryzae</i> . <i>Molecules</i> , 2020, 25, 4795.	1.7	56
1924	Antimicrobial Peptide Induced-Stress Renders <i>Staphylococcus aureus</i> Susceptible to Toxic Nucleoside Analogs. <i>Frontiers in Immunology</i> , 2020, 11, 1686.	2.2	7
1925	Amino Acid k-mer Feature Extraction for Quantitative Antimicrobial Resistance (AMR) Prediction by Machine Learning and Model Interpretation for Biological Insights. <i>Biology</i> , 2020, 9, 365.	1.3	21
1926	Anti-Salmonella mode of action of natural l-phenyl lactic acid purified from <i>Lactobacillus plantarum</i> ZJ316. <i>Applied Microbiology and Biotechnology</i> , 2020, 104, 5283-5292.	1.7	29
1927	Efficacy of single and multiple oral doses of fosfomycin against <i>Pseudomonas aeruginosa</i> urinary tract infections in a dynamic in vitro bladder infection model. <i>Journal of Antimicrobial Chemotherapy</i> , 2020, 75, 1879-1888.	1.3	9
1928	Layer-by-Layer Decorated Nanoscale ZIF-8 with High Curcumin Loading Effectively Inactivates Gram-Negative and Gram-Positive Bacteria. <i>ACS Applied Bio Materials</i> , 2020, 3, 3673-3680.	2.3	32
1929	Antimicrobial susceptibility testing: currently used methods and devices and the near future in clinical practice. <i>Journal of Applied Microbiology</i> , 2020, 129, 806-822.	1.4	104
1930	Divergent Synthesis of Novel Cyliindrocyclophanes that Inhibit Methicillin-Resistant <i>Staphylococcus aureus</i> (MRSA). <i>ChemMedChem</i> , 2020, 15, 1289-1293.	1.6	4
1931	Risk factors for intracranial infection after craniotomy: A case-control study. <i>Brain and Behavior</i> , 2020, 10, e01658.	1.0	28
1932	Evaluation of fosfomycin combined with vancomycin against vancomycin-resistant coagulase negative staphylococci. <i>Journal of Chemotherapy</i> , 2020, 32, 411-419.	0.7	5
1933	Bacteria under antibiotic attack: Different strategies for evolutionary adaptation. <i>PLoS Pathogens</i> , 2020, 16, e1008431.	2.1	45
1934	Analysis of Chemical Composition and Assessment of Antioxidant, Cytotoxic and Synergistic Antibacterial Activities of Essential Oils from Different Plant Parts of <i>Piper boehmeriifolium</i> . <i>Chemistry and Biodiversity</i> , 2020, 17, e2000245.	1.0	9
1935	Evolution of vancomycin-resistant <i>Enterococcus faecium</i> during colonization and infection in immunocompromised pediatric patients. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 11703-11714.	3.3	36
1936	Immunomodulatory function of antimicrobial peptide EC-Hepcidin1 modulates the induction of inflammatory gene expression in primary cells of Caspian Trout (<i>Salmo trutta caspius</i> Kessler, 1877). <i>Fish and Shellfish Immunology</i> , 2020, 104, 55-61.	1.6	14
1937	Thanatin Impairs Lipopolysaccharide Transport Complex Assembly by Targeting Lpt-LptA Interaction and Decreasing LptA Stability. <i>Frontiers in Microbiology</i> , 2020, 11, 909.	1.5	38
1938	NMR-based metabolic profiling to follow the production of anti-phytopathogenic compounds in the culture of the marine strain <i>Streptomyces</i> sp. PNM-9. <i>Microbiological Research</i> , 2020, 239, 126507.	2.5	24
1939	<i>Chlamydomonas reinhardtii</i> -expressed multimer of Bacteriocin LS2 potently inhibits the growth of bacteria. <i>Process Biochemistry</i> , 2020, 95, 139-147.	1.8	19
1940	Antibacterial and antifungal impacts of combined silver, zinc oxide, and chitosan nanoparticles within tissue conditioners of complete dentures in vitro. <i>Irish Journal of Medical Science</i> , 2020, 189, 1343-1350.	0.8	10

#	ARTICLE	IF	CITATIONS
1941	Peptide derivatives of dermaseptin S4 in fresh bovine semen for bacterial contamination control: Physicochemical and structural characterization, antibacterial potency, and effects on red blood and sperm cells. <i>Reproduction in Domestic Animals</i> , 2020, 55, 905-914.	0.6	0
1942	Antibiotics: A Bibliometric Analysis of Top 100 Classics. <i>Antibiotics</i> , 2020, 9, 219.	1.5	27
1943	New silver (thio)semicarbazide derivatives: synthesis, structural features, and antimicrobial activity. <i>New Journal of Chemistry</i> , 2020, 44, 10924-10932.	1.4	3
1945	Synthesis, biological evaluation and molecular modelling insights of 2-arylquinazoline benzamide derivatives as anti-tubercular agents. <i>Journal of Molecular Structure</i> , 2020, 1218, 128493.	1.8	9
1946	<i>In Vitro</i> Anti-tumoral and Anti-bacterial Activity of an Octamolybdate Cluster-Based Hybrid Solid Incorporated with a Copper Picolinate Complex. <i>ACS Applied Bio Materials</i> , 2020, 3, 4025-4035.	2.3	8
1947	Effect of glutamic acid elimination/substitution on the biological activities of S3 cationic amphiphilic peptides. <i>Preparative Biochemistry and Biotechnology</i> , 2020, 50, 664-672.	1.0	6
1948	Shorter Antibacterial Peptide Having High Selectivity for E. coli Membranes and Low Potential for Inducing Resistance. <i>Microorganisms</i> , 2020, 8, 867.	1.6	7
1949	Biodegradable Polymer Theranostic Fluorescent Nanoprobe for Direct Visualization and Quantitative Determination of Antimicrobial Activity. <i>Biomacromolecules</i> , 2020, 21, 2896-2912.	2.6	15
1950	Synthesis, Chemotherapeutic Screening and Docking Studies of NSAID Inserted Peptide-Triazole Hybrid Molecules. <i>ChemistrySelect</i> , 2020, 5, 6786-6791.	0.7	4
1951	<i>Streptomyces</i> sp SM01 isolated from Indian soil produces a novel antibiotic picolinamycin effective against multi drug resistant bacterial strains. <i>Scientific Reports</i> , 2020, 10, 10092.	1.6	32
1952	Genome Sequence of Resistant <i>Serratia</i> sp. Strain HRI, Isolated from a Bottle of Didecyldimethylammonium Chloride-Based Disinfectant. <i>Microbiology Resource Announcements</i> , 2020, 9, .	0.3	3
1953	Pan-GWAS of <i>Streptococcus agalactiae</i> Highlights Lineage-Specific Genes Associated with Virulence and Niche Adaptation. <i>MBio</i> , 2020, 11, .	1.8	47
1954	The Clinical Significance of High Antimicrobial Resistance in Community-Acquired Urinary Tract Infections. <i>Canadian Journal of Infectious Diseases and Medical Microbiology</i> , 2020, 2020, 1-7.	0.7	22
1955	Characteristic of Co-Culture Biofilm Formed by <i>Lactobacillus plantarum</i> and <i>Pediococcus acidilactici</i> , and Antagonistic Effects of This Biofilm on Pathogen Growth. <i>Japan Journal of Food Engineering</i> , 2020, 21, 81-87.	0.1	3
1956	Cationic Ru ^{II} Cyclopentadienyl Complexes with Antifungal Activity against Several <i>Candida</i> Species. <i>ChemBioChem</i> , 2020, 21, 3112-3119.	1.3	14
1957	Physicochemical-guided design of cathelicidin-derived peptides generates membrane active variants with therapeutic potential. <i>Scientific Reports</i> , 2020, 10, 9127.	1.6	14
1958	Bio-Mediated Synthesis of Reduced Graphene Oxide Nanoparticles from <i>Chenopodium album</i> : Their Antimicrobial and Anticancer Activities. <i>Nanomaterials</i> , 2020, 10, 1096.	1.9	18
1959	Activity of Specialized Biomolecules against Gram-Positive and Gram-Negative Bacteria. <i>Antibiotics</i> , 2020, 9, 314.	1.5	77

#	ARTICLE	IF	CITATIONS
1960	Insights into coumarin-mediated inhibition of biofilm formation in <i>Salmonella</i> Typhimurium. <i>Biofouling</i> , 2020, 36, 479-491.	0.8	18
1961	Chemical Composition and Antimicrobial Activity of the Essential Oils of Two Aromatic Plants Cultivated in Morocco (<i>Cinnamomum cassia</i> and <i>Origanum compactum</i>). <i>Journal of Chemistry</i> , 2020, 2020, 1-10.	0.9	21
1962	Effect of new carbonyl cyanide aromatic hydrazones on biofilm inhibition against methicillin resistant <i>Staphylococcus aureus</i> . <i>RSC Advances</i> , 2020, 10, 17854-17861.	1.7	10
1963	A novel apidaecin Api-PR19 synergizes with the gut microbial community to maintain intestinal health and promote growth performance of broilers. <i>Journal of Animal Science and Biotechnology</i> , 2020, 11, 61.	2.1	11
1964	Prediction and Characterization of Cationic Arginine-Rich Plant Antimicrobial Peptide SM-985 From Teosinte (<i>Zea mays ssp. mexicana</i>). <i>Frontiers in Microbiology</i> , 2020, 11, 1353.	1.5	14
1965	Exposure to Environmental Levels of Pesticides Stimulates and Diversifies Evolution in <i>Escherichia coli</i> toward Higher Antibiotic Resistance. <i>Environmental Science & Technology</i> , 2020, 54, 8770-8778.	4.6	42
1966	Mechanistic Insights Into the Differential Efficacy of Daptomycin Plus β -Lactam Combinations Against Daptomycin-Resistant <i>Enterococcus faecium</i> . <i>Journal of Infectious Diseases</i> , 2020, 222, 1531-1539.	1.9	11
1967	Therapeutic potential of a designed CS \pm peptide ID13 in <i>Staphylococcus aureus</i> -induced endometritis of mice. <i>Applied Microbiology and Biotechnology</i> , 2020, 104, 6693-6705.	1.7	12
1968	Bioactive Properties of <i>Syzygium cumini</i> (L.) Skeels Pulp and Seed Phenolic Extracts. <i>Frontiers in Microbiology</i> , 2020, 11, 990.	1.5	32
1969	An Enhanced Variant Designed From DLP4 Cationic Peptide Against <i>Staphylococcus aureus</i> CVCC 546. <i>Frontiers in Microbiology</i> , 2020, 11, 1057.	1.5	19
1970	Novel Gemini Cationic Surfactants: Thermodynamic, Antimicrobial Susceptibility, and Corrosion Inhibition Behavior against <i>Acidithiobacillus ferrooxidans</i> . <i>Journal of Surfactants and Detergents</i> , 2020, 23, 991-1004.	1.0	24
1971	New Broad-Spectrum Antibiotics Containing a Pyrrolobenzodiazepine Ring with Activity against Multidrug-Resistant Gram-Negative Bacteria. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 6941-6958.	2.9	14
1972	GREEN SYNTHESIS OF SILVER NANOPARTICLES (AgNPs) USING <i>HELVELLA LEUCOPUS</i> PERS. AND THEIR ANTIMYCOTIC ACTIVITY AGAINST FUNGI CAUSING FUNGAL ROT OF APPLE. <i>Asian Journal of Pharmaceutical and Clinical Research</i> , 0, , 161-165.	0.3	8
1973	Biogenic copper nanoparticles synthesized by using a copper-resistant strain <i>Shigella flexneri</i> SNT22 reduced the translocation of cadmium from soil to wheat plants. <i>Journal of Hazardous Materials</i> , 2020, 398, 123175.	6.5	92
1974	Synthesis and Antibacterial Analysis of Analogues of the Marine Alkaloid Pseudoceratidine. <i>Molecules</i> , 2020, 25, 2713.	1.7	6
1975	Antibacterial activity of ruthenium polypyridyl complexes against <i>Staphylococcus aureus</i> and biofilms. <i>Journal of Biological Inorganic Chemistry</i> , 2020, 25, 747-757.	1.1	15
1976	Superior Antioxidant Capacity of <i>Berberis iliensis</i> HPLC-Q-TOF-MS Based Phytochemical Studies and Spectrophotometric Determinations. <i>Antioxidants</i> , 2020, 9, 504.	2.2	17
1977	Greener route for microwave enhanced syntheses of bioactive 1,5-benzodiazepines using heterogeneous calcium ferrite/graphene oxide nanocomposite as a novel and sustainable catalyst. <i>Journal of Heterocyclic Chemistry</i> , 2020, 57, 2410-2427.	1.4	11

#	ARTICLE	IF	CITATIONS
1978	Mechanism of Antibacterial Activity of Bacillus amyloliquefaciens C-1 Lipopeptide toward Anaerobic Clostridium difficile. BioMed Research International, 2020, 2020, 1-12.	0.9	23
1979	Modulation of Endolysin LysECD7 Bactericidal Activity by Different Peptide Tag Fusion. Biomolecules, 2020, 10, 440.	1.8	23
1980	Calycosin enhances the bactericidal efficacy of polymyxin B by inhibiting MCR in vitro. Journal of Applied Microbiology, 2020, 129, 532-540.	1.4	9
1981	Lomefloxacin Occurrence in the German River Erft, Its Photo-Induced Elimination, and Assessment of Ecotoxicity. Clean Technologies, 2020, 2, 74-90.	1.9	10
1982	A Rapid and High Throughput MIC Determination Method to Screen Uranium Resistant Microorganisms. Methods and Protocols, 2020, 3, 21.	0.9	20
1983	Fluorine-19 NMR spectroscopy of fluorinated analogs of tritrypticin highlights a distinct role for Tyr residues in antimicrobial peptides. Biochimica Et Biophysica Acta - Biomembranes, 2020, 1862, 183260.	1.4	9
1984	Lipase-catalyzed synthesis of lauroyl tripeptide-KHA with multi-functionalities: Its surface-active, antibacterial, and antioxidant properties. Food Chemistry, 2020, 319, 126533.	4.2	10
1985	The rational design, synthesis, and antimicrobial investigation of 2-Amino-4-Methylthiazole analogues inhibitors of GlcN-6-P synthase. Bioorganic Chemistry, 2020, 99, 103781.	2.0	31
1986	Cholic-Acid-Derived Amphiphiles Can Prevent and Degrade Fungal Biofilms. ACS Applied Bio Materials, 2020, 4, 7332-7341.	2.3	9
1987	Surfing motility is a complex adaptation dependent on the stringent stress response in Pseudomonas aeruginosa LESB58. PLoS Pathogens, 2020, 16, e1008444.	2.1	16
1988	Activity of Cinnamaldehyde on Quorum Sensing and Biofilm Susceptibility to Antibiotics in Pseudomonas aeruginosa. Microorganisms, 2020, 8, 455.	1.6	38
1989	Tailoring of novel biologically active molecules based on N-substituted sulfonamides bearing thiazole moiety exhibiting unique multi-addressable biological potentials. Arabian Journal of Chemistry, 2020, 13, 5345-5362.	2.3	8
1990	Environmentally Benign Nanoantibiotics with a Built-in Deactivation Switch Responsive to Natural Habitats. Biomacromolecules, 2020, 21, 2187-2198.	2.6	16
1991	Synthetic molecular evolution of host cell-compatible, antimicrobial peptides effective against drug-resistant, biofilm-forming bacteria. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 8437-8448.	3.3	43
1992	Bacteriophage-Insensitive Mutants of Antimicrobial-Resistant Salmonella Enterica are Altered in their Tetracycline Resistance and Virulence in Caco-2 Intestinal Cells. International Journal of Molecular Sciences, 2020, 21, 1883.	1.8	13
1993	Development of Lipomer Nanoparticles for the Enhancement of Drug Release, Anti-Microbial Activity and Bioavailability of Delafloxacin. Pharmaceutics, 2020, 12, 252.	2.0	18
1994	Enterococcus faecalis Adapts to Antimicrobial Conjugated Oligoelectrolytes by Lipid Rearrangement and Differential Expression of Membrane Stress Response Genes. Frontiers in Microbiology, 2020, 11, 155.	1.5	13
1995	Genomic Insight into Natural Inactivation of Shiga Toxin 2 Production in an Environmental Escherichia coli Strain Producing Shiga Toxin 1. Foodborne Pathogens and Disease, 2020, 17, 555-567.	0.8	2

#	ARTICLE	IF	CITATIONS
1996	The effect of lipidation and glycosylation on short cationic antimicrobial peptides. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2020, 1862, 183195.	1.4	56
1997	Combined Efficacy of an Antimicrobial Cationic Peptide Polymer with Conventional Antibiotics to Combat Multidrug-Resistant Pathogens. <i>ACS Infectious Diseases</i> , 2020, 6, 1228-1237.	1.8	41
1998	Cannabidiol is an effective helper compound in combination with bacitracin to kill Gram-positive bacteria. <i>Scientific Reports</i> , 2020, 10, 4112.	1.6	43
1999	Label-Free Electrochemical Microfluidic Chip for the Antimicrobial Susceptibility Testing. <i>Antibiotics</i> , 2020, 9, 348.	1.5	17
2000	Development of topical natural based film forming system loaded propolis from stingless bees for wound healing application. <i>Journal of Pharmaceutical Investigation</i> , 2020, 50, 625-634.	2.7	14
2001	Current state of the art in rapid diagnostics for antimicrobial resistance. <i>Lab on A Chip</i> , 2020, 20, 2607-2625.	3.1	37
2002	Characterization of Novel Broad-Host-Range Bacteriophage DLP3 Specific to <i>Stenotrophomonas maltophilia</i> as a Potential Therapeutic Agent. <i>Frontiers in Microbiology</i> , 2020, 11, 1358.	1.5	16
2003	Targeted Isolation of Rubrolides from the New Zealand Marine Tunicate <i>Synoicum kuranui</i> . <i>Marine Drugs</i> , 2020, 18, 337.	2.2	9
2004	Characterization of two relacidines belonging to a novel class of circular lipopeptides that act against Gram-negative bacterial pathogens. <i>Environmental Microbiology</i> , 2020, 22, 5125-5136.	1.8	19
2005	<p>Comparison of Microdilution Method with Agar Dilution Method for Antibiotic Susceptibility Test of Neisseria gonorrhoeae</p>. <i>Infection and Drug Resistance</i> , 2020, Volume 13, 1775-1780.	1.1	7
2006	Potential Application of Protamine for Antimicrobial Biomaterials in Bone Tissue Engineering. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4368.	1.8	14
2007	Environmental and Sex Effects on Bacterial Carriage by Adult House Flies (<i>Musca domestica</i> L.). <i>Insects</i> , 2020, 11, 401.	1.0	9
2008	Photosensitizer conjugate-functionalized poly(hexamethylene guanidine) for potentiated broad-spectrum bacterial inhibition and enhanced biocompatibility. <i>Chinese Chemical Letters</i> , 2020, 31, 2516-2519.	4.8	43
2009	High-efficient microbial immobilization of solvated U(VI) by the <i>Stenotrophomonas</i> strain Br8. <i>Water Research</i> , 2020, 183, 116110.	5.3	46
2010	Analogues of a Cyclic Antimicrobial Peptide with a Flexible Linker Show Promising Activity against <i>Pseudomonas aeruginosa</i> and <i>Staphylococcus aureus</i> . <i>Antibiotics</i> , 2020, 9, 366.	1.5	11
2011	Potential of Bacteriocins from <i>Lactobacillus taiwanensis</i> for Producing Bacterial Ghosts as a Next Generation Vaccine. <i>Toxins</i> , 2020, 12, 432.	1.5	13
2012	Nanoparticles as antibiotic-delivery vehicles (ADVs) overcome resistance by MRSA and other MDR bacterial pathogens: The grenade hypothesis. <i>Journal of Global Antimicrobial Resistance</i> , 2020, 22, 811-817.	0.9	11
2013	Antibiotic Resistance Profiles, Molecular Mechanisms and Innovative Treatment Strategies of <i>Acinetobacter baumannii</i> . <i>Microorganisms</i> , 2020, 8, 935.	1.6	96

#	ARTICLE	IF	CITATIONS
2014	Novel silver-platinum bimetallic nanoalloy synthesized from Vernonia mespilifolia extract: Antioxidant, antimicrobial, and cytotoxic activities. <i>Arabian Journal of Chemistry</i> , 2020, 13, 6639-6648.	2.3	36
2015	Aromatic Polyketides from a Symbiotic Strain <i>Aspergillus fumigatus</i> D and Characterization of Their Biosynthetic Gene D8.t287. <i>Marine Drugs</i> , 2020, 18, 324.	2.2	11
2016	Bioactive fluorenes. Part III: 2,7-dichloro-9H-fluorene-based thiazolidinone and azetidinone analogues as anticancer and antimicrobial against multidrug resistant strains agents. <i>BMC Chemistry</i> , 2020, 14, 42.	1.6	14
2017	The use of optical oxygen sensing and respirometry to quantify the effects of antimicrobials on common food spoilage bacteria and food samples. <i>Sensors and Actuators B: Chemical</i> , 2020, 322, 128572.	4.0	14
2018	A Schiff base colorimetric probe for real-time naked-eye detection of biologically important fluoride and cyanide ions: Single crystal, experimental, theoretical, biological and antioxidant studies. <i>Journal of Molecular Structure</i> , 2020, 1221, 128663.	1.8	5
2019	Synthesis, cytotoxicity and in vitro antibacterial screening of novel hydrazones bearing thienopyridine moiety as potent COX-2 inhibitors. <i>Journal of the Iranian Chemical Society</i> , 2020, 17, 3299-3315.	1.2	25
2020	Enhanced Antibacterial Activity of Se Nanoparticles Upon Coating with Recombinant Spider Silk Protein eADF4(16). <i>International Journal of Nanomedicine</i> , 2020, Volume 15, 4275-4288.	3.3	31
2021	Antimicrobial Susceptibility Testing of Antimicrobial Peptides to Better Predict Efficacy. <i>Frontiers in Cellular and Infection Microbiology</i> , 2020, 10, 326.	1.8	70
2022	Combinatorial Antimicrobial Susceptibility Testing Enabled by Non-Contact Printing. <i>Micromachines</i> , 2020, 11, 142.	1.4	7
2023	Predicting nitroimidazole antibiotic resistance mutations in <i>Mycobacterium tuberculosis</i> with protein engineering. <i>PLoS Pathogens</i> , 2020, 16, e1008287.	2.1	51
2024	Essential Oils: Partnering with Antibiotics. , 0, , .		0
2025	Use of a genetically engineered <i>E. coli</i> overexpressing β -glucuronidase accompanied by glycyrrhizic acid, a natural and anti-inflammatory agent, for directed treatment of colon carcinoma in a mouse model. <i>International Journal of Pharmaceutics</i> , 2020, 579, 119159.	2.6	24
2026	Droplet-based digital antibiotic susceptibility screen reveals single-cell clonal heteroresistance in an isogenic bacterial population. <i>Scientific Reports</i> , 2020, 10, 3282.	1.6	54
2027	Study on Cecropin B2 Production via Construct Bearing Intein Oligopeptide Cleavage Variants. <i>Molecules</i> , 2020, 25, 1005.	1.7	2
2028	Performance evaluation of a biotrickling filter for the removal of gas-phase 1,2-dichlorobenzene: Influence of rhamnolipid and ferric ions. <i>Chemosphere</i> , 2020, 250, 126261.	4.2	14
2029	Antifungal peptides produced by actinomycetes and their biological activities against plant diseases. <i>Journal of Antibiotics</i> , 2020, 73, 265-282.	1.0	37
2030	Design, green one-pot synthesis and molecular docking study of novel N,N-bis(cyanoacetyl)hydrazines and bis-coumarins as effective inhibitors of DNA gyrase and topoisomerase IV. <i>Bioorganic Chemistry</i> , 2020, 97, 103672.	2.0	20
2031	Engineering bacterial symbionts of nematodes improves their biocontrol potential to counter the western corn rootworm. <i>Nature Biotechnology</i> , 2020, 38, 600-608.	9.4	27

#	ARTICLE	IF	CITATIONS
2032	Electrochemical Impedance Spectroscopic Detection of <i>E.coli</i> with Machine Learning. Journal of the Electrochemical Society, 2020, 167, 047508.	1.3	31
2033	Fabrication of Nanofibrous/Xerogel Layer-by-Layer Biocomposite Scaffolds for Skin Tissue Regeneration: In Vitro Study. ACS Omega, 2020, 5, 2133-2147.	1.6	10
2034	Antibiotic resistance and clonal relatedness of <i>Helicobacter pylori</i> strains isolated from stomach biopsy specimens in northeast of Iran. Helicobacter, 2020, 25, e12684.	1.6	12
2035	Exposure of Smaller and Oxidized Graphene on Polyurethane Surface Improves its Antimicrobial Performance. Nanomaterials, 2020, 10, 349.	1.9	19
2036	Indole contributes to tetracycline resistance via the outer membrane protein OmpN in <i>Vibrio splendidus</i> . World Journal of Microbiology and Biotechnology, 2020, 36, 36.	1.7	9
2037	Crystal structure and antibacterial properties of a new dinuclear copper complex based on an unsymmetrical NN ² O type Schiff base ligand. Journal of Coordination Chemistry, 2020, 73, 154-163.	0.8	18
2038	Genome and Transcriptome Analysis of <i>A. baumannii</i> 's "Transient" Increase in Drug Resistance under Tigecycline Pressure. Journal of Global Antimicrobial Resistance, 2020, 22, 219-225.	0.9	9
2039	Improved anti-biofouling performance of pressure retarded osmosis (PRO) by dosing with chlorhexidine gluconate. Desalination, 2020, 481, 114376.	4.0	16
2040	Aseptic Barriers Allow a Clean Contact for Contaminated Stethoscope Diaphragms. Mayo Clinic Proceedings Innovations, Quality & Outcomes, 2020, 4, 21-30.	1.2	12
2041	Adaptation of <i>Pseudomonas aeruginosa</i> to constant sub-inhibitory concentrations of quaternary ammonium compounds. Environmental Science: Water Research and Technology, 2020, 6, 1139-1152.	1.2	18
2042	Antimicrobial activity of <i>Vitex agnus-castus</i> Essential Oil and Molecular Docking Study of Its Major Constituents. Journal of Essential Oil-bearing Plants: JEOP, 2020, 23, 184-193.	0.7	10
2043	Poly (butylene adipate-co-terephthalate)/magnesium oxide/silver ternary composite biofilms for food packaging application. Food Packaging and Shelf Life, 2020, 24, 100487.	3.3	33
2044	Biocompatible fungal chitosan encapsulated phytochemical silver nanoparticles enhanced antidiabetic, antioxidant and antibacterial activity. International Journal of Biological Macromolecules, 2020, 153, 63-71.	3.6	102
2045	Decorating Nanostructured Surfaces with Antimicrobial Peptides to Efficiently Fight Bacteria. ACS Applied Bio Materials, 2020, 3, 1533-1543.	2.3	20
2046	Induction of Cryptic Antifungal Pulicatin Derivatives from <i>Pantoea</i> Agglomerans by Microbial Co-Culture. Biomolecules, 2020, 10, 268.	1.8	20
2047	Chemical characterization, antimicrobial activity, and cytotoxic activity of <i>Mikania micrantha</i> Kunth flower essential oil from North East India. Chemical Papers, 2020, 74, 2515-2528.	1.0	12
2048	Rapid biodegradation and biofilm-mediated bioremoval of organophosphorus pesticides using an indigenous <i>Kosakonia oryzae</i> strain -VITPSCQ3 in a Vertical-flow Packed Bed Biofilm Bioreactor. Ecotoxicology and Environmental Safety, 2020, 192, 110290.	2.9	42
2049	cAST: Capillary-Based Platform for Real-Time Phenotypic Antimicrobial Susceptibility Testing. Analytical Chemistry, 2020, 92, 2731-2738.	3.2	10

#	ARTICLE	IF	CITATIONS
2050	Green synthesized silver nanoparticle from <i>Allium ampeloprasum</i> aqueous extract: Characterization, antioxidant activities, antibacterial and cytotoxicity effects. <i>Advanced Powder Technology</i> , 2020, 31, 1323-1332.	2.0	92
2051	Benzimidazolium-acridine-based silver N-heterocyclic carbene complexes as potential anti-bacterial and anti-cancer drug. <i>Inorganica Chimica Acta</i> , 2020, 504, 119462.	1.2	19
2052	Isoalantolactone restores the sensitivity of gram-negative <i>Enterobacteriaceae</i> carrying MCR-1 to carbapenems. <i>Journal of Cellular and Molecular Medicine</i> , 2020, 24, 2475-2483.	1.6	14
2053	Exploring the mode of action of isolated bioactive compounds by induced reactive oxygen species generation in <i>Aedes aegypti</i> : a microbes based double-edged weapon to fight against Arboviral diseases. <i>International Journal of Tropical Insect Science</i> , 2020, 40, 573-585.	0.4	13
2054	KPC-2-producing <i>Klebsiella pneumoniae</i> ST147 in a neonatal unit: Clonal isolates with differences in colistin susceptibility attributed to AcrAB-TolC pump. <i>International Journal of Antimicrobial Agents</i> , 2020, 55, 105903.	1.1	36
2055	Biological Evolution of Titanium(IV) Complex $[(NNO)_2Ti]_3O_3$ Bearing Bidentate Heteroditopic Schiff Base Ligand: Synthesis, Structure and Biological Studies. <i>Asian Journal of Chemistry</i> , 2020, 32, 441-450.	0.1	1
2056	Characterization of tetracycline effects on microbial community, antibiotic resistance genes and antibiotic resistance of <i>Aeromonas</i> spp. in gut of goldfish <i>Carassius auratus</i> Linnaeus. <i>Ecotoxicology and Environmental Safety</i> , 2020, 191, 110182.	2.9	39
2057	Conjugation of Penicillin-G with Silver(I) Ions Expands Its Antimicrobial Activity against Gram Negative Bacteria. <i>Antibiotics</i> , 2020, 9, 25.	1.5	28
2058	Zinc and Copper Reduce Conjugative Transfer of Resistance Plasmids from Extended-Spectrum Beta-Lactamase-Producing <i>Escherichia coli</i> . <i>Microbial Drug Resistance</i> , 2020, 26, 842-849.	0.9	19
2059	Mechanistic insight into the effect of BTB on the σ factor in <i>Bacillus subtilis</i> . <i>IUBMB Life</i> , 2020, 72, 978-990.	1.5	2
2060	Headspace gas chromatographic method for antimicrobial screening: Minimum inhibitory concentration determination. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020, 181, 113122.	1.4	4
2061	Colistin Combined With Tigecycline: A Promising Alternative Strategy to Combat <i>Escherichia coli</i> Harboring blaNDM-5 and mcr-1. <i>Frontiers in Microbiology</i> , 2019, 10, 2957.	1.5	23
2062	Phytochemical Profile and Antimicrobial Effects of Different Medicinal Plant: Current Knowledge and Future Perspectives. <i>Current Traditional Medicine</i> , 2020, 6, 24-42.	0.1	24
2063	Overexpression of AmpC Promotes Bacteriophage Lysis of Ampicillin-Resistant <i>Escherichia coli</i> . <i>Frontiers in Microbiology</i> , 2019, 10, 2973.	1.5	7
2064	Synthesis of some novel N-sulfonylated and N-alkylated pyrazole derivatives and their antimicrobial activity in conjunction with molecular docking study. <i>Journal of Heterocyclic Chemistry</i> , 2020, 57, 1698-1713.	1.4	6
2065	Ultrasonic-Assisted Synthesis and Characterization of Chitosan-Graft-Substituted Polyanilines: Promise Bio-Based Nanoparticles for Dye Removal and Bacterial Disinfection. <i>Journal of Chemistry</i> , 2020, 2020, 1-9.	0.9	11
2066	Prevalence and antibiotic resistance patterns of <i>Vibrio parahaemolyticus</i> isolated from different types of seafood in Selangor, Malaysia. <i>Saudi Journal of Biological Sciences</i> , 2020, 27, 1602-1608.	1.8	62
2067	Green synthesis of copper oxide nanoparticles: a promising approach in the development of antibacterial textiles. <i>Journal of Coatings Technology Research</i> , 2020, 17, 531-540.	1.2	52

#	ARTICLE	IF	CITATIONS
2068	Synthesis, <i>in vitro</i> and <i>in silico</i> study of novel thiazoles as potent antibacterial agents and MurB inhibitors. <i>Archiv Der Pharmazie</i> , 2020, 353, e1900309.	2.1	38
2069	Designer Amyloid Cell-Penetrating Peptides for Potential Use as Gene Transfer Vehicles. <i>Biomolecules</i> , 2020, 10, 7.	1.8	18
2070	Formation of <i>Escherichia coli</i> O157:H7 Persister Cells in the Lettuce Phyllosphere and Application of Differential Equation Models To Predict Their Prevalence on Lettuce Plants in the Field. <i>Applied and Environmental Microbiology</i> , 2020, 86, .	1.4	12
2071	The combined effect of formic acid and Nisin on potato spoilage. <i>Biocatalysis and Agricultural Biotechnology</i> , 2020, 24, 101523.	1.5	17
2072	Swine farming elevated the proliferation of <i>Acinetobacter</i> with the prevalence of antibiotic resistance genes in the groundwater. <i>Environment International</i> , 2020, 136, 105484.	4.8	85
2073	Enhanced Activity against Multidrug-Resistant Bacteria through Coapplication of an Analogue of Tachyplesin I and an Inhibitor of the QseC/B Signaling Pathway. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 3475-3484.	2.9	20
2074	p-Coumaric acid quantum dots inhibit beta lactam resistant foodborne microorganisms. <i>Materials Today: Proceedings</i> , 2020, 31, 48-53.	0.9	4
2075	Poly(lactic-co-glycolic) Acid-Lipid Hybrid Microparticles Enhance the Intracellular Uptake and Antibacterial Activity of Rifampicin. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 8030-8039.	4.0	34
2076	Identification of a Novel Inhibitor of Catabolite Control Protein A from <i>Staphylococcus aureus</i> . <i>ACS Infectious Diseases</i> , 2020, 6, 347-354.	1.8	10
2077	Antibacterial Activity of Amidodithiophosphonato Nickel(II) Complexes: An Experimental and Theoretical Approach. <i>Molecules</i> , 2020, 25, 2052.	1.7	6
2078	Enhancement of A Cationic Surfactant by Capping Nanoparticles: Synthesis, Characterization and Multiple Applications. <i>Molecules</i> , 2020, 25, 2007.	1.7	11
2079	Systematic Evaluation of Whole Genome Sequence-Based Predictions of <i>Salmonella</i> Serotype and Antimicrobial Resistance. <i>Frontiers in Microbiology</i> , 2020, 11, 549.	1.5	53
2080	Antibacterial activity and mechanism of the cell-penetrating peptide CF-14 on the gram-negative bacteria, <i>Escherichia coli</i> . <i>Fish and Shellfish Immunology</i> , 2020, 100, 489-495.	1.6	14
2081	Identification of risk factors associated with antimicrobial resistance in equine fecal <i>Escherichia coli</i> isolates. <i>Infection, Genetics and Evolution</i> , 2020, 83, 104317.	1.0	2
2082	A Potent Host Defense Peptide Triggers DNA Damage and Is Active against Multidrug-Resistant Gram-Negative Pathogens. <i>ACS Infectious Diseases</i> , 2020, 6, 1250-1263.	1.8	13
2083	Milk microbial composition of Brazilian dairy cows entering the dry period and genomic comparison between <i>Staphylococcus aureus</i> strains susceptible to the bacteriophage vB_SauM-UFV_DC4. <i>Scientific Reports</i> , 2020, 10, 5520.	1.6	4
2084	The Iron-chelator, N,N-bis (2-hydroxybenzyl) Ethylenediamine-N,N-diacetic acid is an Effective Colistin Adjunct against Clinical Strains of Biofilm-Dwelling <i>Pseudomonas aeruginosa</i> . <i>Antibiotics</i> , 2020, 9, 144.	1.5	14
2085	Applications of Prodigiosin Extracted from Marine Red Pigmented Bacteria <i>Zooshikella</i> sp. and Actinomycete <i>Streptomyces</i> sp.. <i>Microorganisms</i> , 2020, 8, 556.	1.6	32

#	ARTICLE	IF	CITATIONS
2086	Nevertheless, She Resisted â€“ Role of the Environment on <i>Listeria monocytogenes</i> Sensitivity to Nisin Treatment in a Laboratory Cheese Model. <i>Frontiers in Microbiology</i> , 2020, 11, 635.	1.5	19
2087	Investigating Bacteriophages Targeting the Opportunistic Pathogen <i>Acinetobacter baumannii</i> . <i>Antibiotics</i> , 2020, 9, 200.	1.5	26
2088	Electromechanically active polymer actuators based on biofriendly choline ionic liquids. <i>Smart Materials and Structures</i> , 2020, 29, 055021.	1.8	16
2089	Functionalized Polymers Enhance Permeability of Antibiotics in Gramâ€Negative MDR Bacteria and Biofilms for Synergistic Antimicrobial Therapy. <i>Advanced Therapeutics</i> , 2020, 3, 2000005.	1.6	20
2090	Image-Based Dynamic Phenotyping Reveals Genetic Determinants of Filamentation-Mediated Î²-Lactam Tolerance. <i>Frontiers in Microbiology</i> , 2020, 11, 374.	1.5	17
2091	Wideâ€scale evaluation of <i>Origanum munzurense</i> Kit Tan & Sorger using different extraction techniques: Antioxidant capacity, chemical compounds, trace element content, total phenolic content, antibacterial activity and genotoxic effect. <i>Flavour and Fragrance Journal</i> , 2020, 35, 394-410.	1.2	16
2092	The scientometric analysis of the research on the algal biomedicine. , 2020, , 405-427.		1
2093	Synthesis, characterization and antimicrobial properties of cyclotriphosphazenes bearing benzimidazolyl rings. <i>Inorganica Chimica Acta</i> , 2020, 509, 119679.	1.2	12
2094	MALDI-TOF-MS and 16S rRNA characterization of lead tolerant metallophile bacteria isolated from saffron soils of Kashmir for their sequestration potential. <i>Saudi Journal of Biological Sciences</i> , 2020, 27, 2047-2053.	1.8	9
2095	Microfluidic systems for rapid antibiotic susceptibility tests (ASTs) at the single-cell level. <i>Chemical Science</i> , 2020, 11, 6352-6361.	3.7	57
2096	High-Level Expression and Purification of Melittin in <i>Escherichia coli</i> Using SUMO Fusion Partner. <i>International Journal of Peptide Research and Therapeutics</i> , 2021, 27, 9-15.	0.9	8
2097	DNA binding, antibacterial, hemolytic and anticancer studies of some fluorescent emissive surfactant-ruthenium(II) complexes. <i>Journal of Biomolecular Structure and Dynamics</i> , 2021, 39, 2242-2256.	2.0	15
2098	The role of pH in enhancing the capacity of CuO nanoparticles for antibacterial activity. <i>Materials Today: Proceedings</i> , 2021, 36, 504-508.	0.9	4
2099	<i>Ex vivo</i> evaluation of the influence of pH on the ophthalmic safety, antibacterial efficacy and storage stability of povidoneâ€iodine. <i>Australasian journal of optometry, The</i> , 2021, 104, 162-166.	0.6	5
2100	Enhanced In Vitro Antimicrobial Activity of Polymyxin Bâ€Coated Nanostructured Lipid Carrier Containing Dexamethasone Acetate. <i>Journal of Pharmaceutical Innovation</i> , 2021, 16, 125-135.	1.1	13
2101	Influence of anise (<i>Pimpinella anisum</i> L.) essential oil on the microbial, chemical, and sensory properties of chicken fillets wrapped with gelatin film. <i>Food Science and Technology International</i> , 2021, 27, 123-134.	1.1	18
2102	Sulforaphane-enriched extracts from glucoraphanin-rich broccoli exert antimicrobial activity against gut pathogens in vitro and innovative cooking methods increase in vivo intestinal delivery of sulforaphane. <i>European Journal of Nutrition</i> , 2021, 60, 1263-1276.	1.8	32
2103	Synthesis, Characterization, and Antimicrobial Evaluation of Novel Thiohydrazonates and Pyrazolo[3,4-b]pyridines. <i>Polycyclic Aromatic Compounds</i> , 2021, 41, 936-949.	1.4	22

#	ARTICLE	IF	CITATIONS
2104	Preparation, Characterization and Pharmacokinetic Study of N-Terminal PEGylated D-Form Antimicrobial Peptide OM19r-8. <i>Journal of Pharmaceutical Sciences</i> , 2021, 110, 1111-1119.	1.6	7
2105	Interaction of the antimicrobial peptide α -M3 with the <i>Staphylococcus aureus</i> membrane and molecular models. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2021, 1863, 183498.	1.4	7
2106	Synthesis and evaluation of new quinazoline-benzimidazole hybrids as potent anti-microbial agents against multidrug resistant <i>Staphylococcus aureus</i> and <i>Mycobacterium tuberculosis</i> . <i>European Journal of Medicinal Chemistry</i> , 2021, 212, 112996.	2.6	28
2107	Design, synthesis, in vitro and in silico evaluation of new 3-phenyl-4,5-dihydroisoxazole-5-carboxamides active against drug-resistant mycobacterium tuberculosis. <i>Journal of Molecular Structure</i> , 2021, 1227, 129545.	1.8	1
2108	The prevalence of ampicillin-resistant opportunistic pathogenic bacteria undergoing selective stress of heavy metal pollutants in the Xiangjiang River, China. <i>Environmental Pollution</i> , 2021, 268, 115362.	3.7	28
2109	Composition's effect of <i>Origanum Syriacum</i> essential oils in the antimicrobial activities for the treatment of denture stomatitis. <i>Odontology / the Society of the Nippon Dental University</i> , 2021, 109, 327-335.	0.9	10
2110	A novel bacteriocin BM1029: physicochemical characterization, antibacterial modes and application. <i>Journal of Applied Microbiology</i> , 2021, 130, 755-768.	1.4	8
2111	Synthesis and biological evaluation of <i>scp</i> -stilbene-based <i>scp</i> peptoid mimics against the phytopathogenic bacterium <i>Xanthomonas citri</i> pv. <i>citri</i> . <i>Pest Management Science</i> , 2021, 77, 343-353.	1.7	3
2112	Effect of Flexible and Rigid Linkers on Biological Activity of Recombinant Tetramer Variants of S3 Antimicrobial Peptide. <i>International Journal of Peptide Research and Therapeutics</i> , 2021, 27, 457-462.	0.9	10
2113	Antibacterial Polyelectrolytic chitosan derivatives conjugated natural rubber latex films with minimized bacterial adhesion. <i>Journal of Applied Polymer Science</i> , 2021, 138, .	1.3	17
2114	Membrane phospholipid composition of <i>Pseudomonas aeruginosa</i> grown in a cystic fibrosis mucus-mimicking medium. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2021, 1863, 183482.	1.4	14
2115	A review of artificial intelligence applications for antimicrobial resistance. <i>Biosafety and Health</i> , 2021, 3, 22-31.	1.2	65
2116	Synthesis of novel thiophene fused pyrazoline-thiocyanatoethanone derivative: Spectral, DFT, pharmacological, docking and in vitro antibacterial studies. <i>Journal of Molecular Structure</i> , 2021, 1229, 129487.	1.8	5
2117	Biomimetic amphiphilic chitosan nanoparticles: Synthesis, characterization and antimicrobial activity. <i>Carbohydrate Polymers</i> , 2021, 254, 117299.	5.1	35
2118	High-level biocidal products effectively eradicate pathogenic β -proteobacteria biofilms from aquaculture facilities. <i>Aquaculture</i> , 2021, 532, 736004.	1.7	26
2119	Preparation and characterization of gelatin-gallic acid/ZnO nanocomposite with antibacterial properties as a promising multi-functional bioadhesive for wound dressing applications. <i>International Journal of Adhesion and Adhesives</i> , 2021, 104, 102749.	1.4	20
2120	Single Cell Oil (SCO)-Based Bioactive Compounds: Enzymatic Synthesis of Fatty Acid Amides Using SCOs as Acyl Group Donors and Their Biological Activities. <i>Applied Biochemistry and Biotechnology</i> , 2021, 193, 822-845.	1.4	9
2121	Sequential release of double drug (graded distribution) loaded gelatin microspheres/PMMA bone cement. <i>Journal of Materials Chemistry B</i> , 2021, 9, 508-522.	2.9	12

#	ARTICLE	IF	CITATIONS
2122	Antibacterial thiamine inspired silver (I) and gold (I) N-heterocyclic carbene compounds. <i>Inorganica Chimica Acta</i> , 2021, 517, 120152.	1.2	13
2123	Green synthesis and characterization of zirconium oxide nanoparticles by using a native <i>Enterobacter</i> sp. and its antifungal activity against bayberry twig blight disease pathogen <i>Pestalotiopsis versicolor</i> . <i>NanoImpact</i> , 2021, 21, 100281.	2.4	49
2124	Fluorinated O-phenylserine residues enhance the broad-spectrum antimicrobial activity of ultrashort cationic lipopeptides. <i>Journal of Fluorine Chemistry</i> , 2021, 241, 109685.	0.9	6
2125	Host defense peptide IDR-1002 associated with ciprofloxacin as a new antimicrobial and immunomodulatory strategy for dental pulp revascularization therapy. <i>Microbial Pathogenesis</i> , 2021, 152, 104634.	1.3	11
2126	Bioactivity and antimicrobial properties of chemically characterized compost teas from different green composts. <i>Waste Management</i> , 2021, 120, 98-107.	3.7	42
2127	Speeding up selenite bioremediation using the highly selenite-tolerant strain <i>Providencia rettgeri</i> HF16-A novel mechanism of selenite reduction based on proteomic analysis. <i>Journal of Hazardous Materials</i> , 2021, 406, 124690.	6.5	37
2128	Applications of bromelain from pineapple waste towards acne. <i>Saudi Journal of Biological Sciences</i> , 2021, 28, 1001-1009.	1.8	22
2129	Films based on Pectin, Gellan, EDTA, and bacteriocin-like compounds produced by <i>Streptococcus infantarius</i> for the bacterial control in fish packaging. <i>Journal of Food Processing and Preservation</i> , 2021, 45, .	0.9	9
2130	The paradoxical <i>in vivo</i> activity of β -lactams against metallo- β -lactamase-producing <i>Enterobacterales</i> is not restricted to carbapenems. <i>Journal of Antimicrobial Chemotherapy</i> , 2021, 76, 684-691.	1.3	13
2131	Regiospecific Synthesis of Calcium-independent Daptomycin Antibiotics using a Chemoenzymatic Method. <i>Chemistry - A European Journal</i> , 2021, 27, 4176-4182.	1.7	11
2132	Cyclic peptides bearing the α -Phe- β -Abz turn motif: Structural characterization and antimicrobial potential. <i>Journal of Peptide Science</i> , 2021, 27, e3291.	0.8	4
2133	Synthesis, biological evaluation, and molecular docking studies of novel pyrazole, pyrazoline-substituted pyridine as potential antimicrobial agents. <i>Journal of Heterocyclic Chemistry</i> , 2021, 58, 737-750.	1.4	12
2134	Development of a Rapid Method for Monitoring Biodeterioration of Petroleum Products and Technical Fluids. Part I. <i>Petroleum Chemistry</i> , 2021, 61, 107-113.	0.4	1
2135	Antibacterial Drimane Sesquiterpenes from <i>Aspergillus ustus</i> . <i>Journal of Natural Products</i> , 2021, 84, 37-45.	1.5	28
2136	Evaluating the effect of antibiotics sub-inhibitory dose on <i>Pseudomonas aeruginosa</i> sensing dependent virulence and its phenotypes. <i>Saudi Journal of Biological Sciences</i> , 2021, 28, 550-559.	1.8	9
2137	Design, synthesis, in silico, and in vitro evaluation of 3-phenylpyrazole acetamide derivatives as antimycobacterial agents. <i>Archiv Der Pharmazie</i> , 2021, 354, e2000349.	2.1	6
2138	Stability of ZIF-8 nanopowders in bacterial culture media and its implication for antibacterial properties. <i>Chemical Engineering Journal</i> , 2021, 413, 127511.	6.6	137
2139	Development of novel topical formulation from fullerene with antibacterial activity against <i>Propionibacterium acnes</i> . <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2021, 29, 163-173.	1.0	5

#	ARTICLE	IF	CITATIONS
2140	Vaginal suppositories of cumin seeds essential oil for treatment of vaginal candidiasis: Formulation, in vitro, in vivo, and clinical evaluation. <i>European Journal of Pharmaceutical Sciences</i> , 2021, 157, 105602.	1.9	10
2141	Quantifying acquisition and transmission of <i>Enterococcus faecium</i> using genomic surveillance. <i>Nature Microbiology</i> , 2021, 6, 103-111.	5.9	53
2142	Nanogel Encapsulated Hydrogels As Advanced Wound Dressings for the Controlled Delivery of Antibiotics. <i>Advanced Functional Materials</i> , 2021, 31, 2006453.	7.8	58
2143	(p)ppGpp-Dependent Regulation of the Nucleotide Hydrolase PpnN Confers Complement Resistance in <i>Salmonella enterica</i> Serovar Typhimurium. <i>Infection and Immunity</i> , 2021, 89, .	1.0	2
2144	Antimicrobial properties, compressive strength and fluoride release capacity of essential oil-modified glass ionomer cementsâ€™an in vitro study. <i>Clinical Oral Investigations</i> , 2021, 25, 1879-1888.	1.4	8
2145	Enhancement of angucycline production by combined UV mutagenesis and ribosome engineering and fermentation optimization in <i>Streptomyces denggaensis</i> XZHG99 ^T . <i>Preparative Biochemistry and Biotechnology</i> , 2021, 51, 173-182.	1.0	7
2146	Determination of Fatty Acid Composition by GC-MS and Potential Antioxidant and Antibacterial Properties of <i>Rumex hastatus</i> and <i>Cytisus scoparius</i> Seeds Grown in Kashmir. <i>Journal of Pharmacy and Pharmacology</i> , 2021, 9, .	0.1	0
2147	Antibacterial and Antifungal Activity of Organic and Peptidic Extracts of Ecuadorian Endophytic Fungi. <i>Advances in Microbiology</i> , 2021, 11, 266-282.	0.3	2
2148	Synergistic combination of phytotherapeutics for infectious diseases. , 2021, , 337-392.		0
2149	<i>In vitro</i> antibacterial effect of silver nanoparticles synthesized using <i>Agastache foeniculum</i> plant and callus extracts. <i>AIMS Agriculture and Food</i> , 2021, 6, 631-643.	0.8	3
2150	Methacrylamide based antibiotic polymers with no detectable bacterial resistance. <i>Soft Matter</i> , 2021, 17, 3404-3416.	1.2	4
2151	Antimicrobial Efficiency of <i>Aloe arborescens</i> and <i>Aloe barbadensis</i> Natural and Commercial Products. <i>Plants</i> , 2021, 10, 92.	1.6	14
2152	A Study of Antimicrobial Activity of Herbal Extracts on <i>Clostridium difficile</i> . <i>Journal of Korean Medicine Rehabilitation</i> , 2021, 31, 47-57.	0.2	0
2153	Polymeric approach to combat drug-resistant methicillin-resistant <i>Staphylococcus aureus</i> . <i>Journal of Materials Science</i> , 2021, 56, 7265-7285.	1.7	14
2154	Evaluation the safety and synergistic effect of NiFe ₂ O ₄ nanoparticles with antibiotic against <i>Pseudomonas aeruginosa</i> . <i>Iraqi Journal of Veterinary Sciences</i> , 2021, 35, 71-77.	0.1	4
2155	Repositioning of Isatin hybrids as novel anti-tubercular agents overcoming pre-existing antibiotics resistance. <i>Medicinal Chemistry Research</i> , 2021, 30, 847-876.	1.1	15
2156	Antibiotic Tolerance and Persistence Studied Throughout Bacterial Growth Phases. <i>Methods in Molecular Biology</i> , 2021, 2357, 23-40.	0.4	4
2157	Bacteriophage-resistant <i>Acinetobacter baumannii</i> are resensitized to antimicrobials. <i>Nature Microbiology</i> , 2021, 6, 157-161.	5.9	159

#	ARTICLE	IF	CITATIONS
2158	SgRNA-RF: Identification of SgRNA On-Target Activity With Imbalanced Datasets. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2022, 19, 2442-2453.	1.9	5
2159	Dual Antimicrobial and Antiproliferative Activity of TcPaSK Peptide Derived from a <i>Tribolium castaneum</i> Insect Defensin. <i>Microorganisms</i> , 2021, 9, 222.	1.6	8
2160	Curbing gastrointestinal infections by defensin fragment modifications without harming commensal microbiota. <i>Communications Biology</i> , 2021, 4, 47.	2.0	4
2161	Surface charge modulation of rifampicin-loaded PLA nanoparticles to improve antibiotic delivery in <i>Staphylococcus aureus</i> biofilms. <i>Journal of Nanobiotechnology</i> , 2021, 19, 12.	4.2	43
2162	Aztreonam Lysine Increases the Activity of Phages E79 and phiKZ against <i>Pseudomonas aeruginosa</i> PAO1. <i>Microorganisms</i> , 2021, 9, 152.	1.6	20
2163	Isolation and Characterization of the Polyhexamethylene Biguanide Hydrochloride-Resistant Fungus, <i>Purpureocillium lilacinum</i> . <i>Biocontrol Science</i> , 2021, 26, 157-166.	0.2	1
2164	Phage Therapy: The Pharmacology of Antibacterial Viruses. <i>Current Issues in Molecular Biology</i> , 2021, 40, 81-164.	1.0	40
2165	Effect of Subinhibitory Concentrations of Some Antibiotics and Low Doses of Gamma Radiation on the Cytotoxicity and Expression of Colibactin by an Uropathogenic <i>Escherichia coli</i> isolate. <i>Current Microbiology</i> , 2021, 78, 544-557.	1.0	3
2166	Determination of Bifidobacterial Carbohydrate Utilization Abilities and Associated Metabolic End Products. <i>Methods in Molecular Biology</i> , 2021, 2278, 117-129.	0.4	2
2167	Glucose Starvation, Magnesium Ion Starvation, and Bile Stress Assays. <i>Bio-protocol</i> , 2021, 11, e4157.	0.2	1
2168	Carbapenem-Resistant <i>Klebsiella pneumoniae</i> Clinical Isolates: In Vivo Virulence Assessment in <i>Galleria mellonella</i> and Potential Therapeutics by Polycationic Oligoethyleneimine. <i>Antibiotics</i> , 2021, 10, 56.	1.5	12
2169	Rapid antimicrobial susceptibility testing from positive blood cultures based on Stimulated Raman Scattering Imaging analysis. <i>E3S Web of Conferences</i> , 2021, 271, 03060.	0.2	0
2171	Essential oil composition and antibacterial activity of <i>Canarium strictum</i> Roxb. resin. <i>Plant Biosystems</i> , 2021, 155, 1198-1202.	0.8	1
2172	Hydrated Rubrolides from the New Zealand Tunicate <i>Synoicum kuranui</i> . <i>Journal of Natural Products</i> , 2021, 84, 544-547.	1.5	8
2173	Antibacterial Activity of Green-Synthesized Silver Nanoparticles Using Areca catechu Extract against Antibiotic-Resistant Bacteria. <i>Nanomaterials</i> , 2021, 11, 205.	1.9	34
2174	A Systematic Review of Plants With Antibacterial Activities: A Taxonomic and Phylogenetic Perspective. <i>Frontiers in Pharmacology</i> , 2020, 11, 586548.	1.6	107
2175	Mechanochemical bond scission for the activation of drugs. <i>Nature Chemistry</i> , 2021, 13, 131-139.	6.6	152
2176	Heterologous Production of $\hat{1}^2$ -Caryophyllene and Evaluation of Its Activity against Plant Pathogenic Fungi. <i>Microorganisms</i> , 2021, 9, 168.	1.6	15

#	ARTICLE	IF	CITATIONS
2177	Design of improved synthetic antifungal peptides with targeted variations in charge, hydrophobicity and chirality based on a correlation study between biological activity and primary structure of plant defensin Î³-cores. <i>Amino Acids</i> , 2021, 53, 219-237.	1.2	6
2179	Microbial volatiles as new frontiers in antibiotic research. , 2021, , 65-81.		0
2180	Antibiotic Resistance Diagnostic Methods for Pathogenic Bacteria. , 2021, , .		5
2181	Bacterial classification and antibiotic susceptibility testing on an integrated microfluidic platform. <i>Lab on A Chip</i> , 2021, 21, 4208-4222.	3.1	23
2182	Disinfectants and pH synergistically inactivate <i>Pseudomonas fluorescens</i> ATCC 13525: insights into cellular redox homeostasis and ultrastructure. <i>Biotechnology and Biotechnological Equipment</i> , 2021, 35, 1361-1373.	0.5	0
2183	Use of Shotgun Metagenomics and Metabolomics to Evaluate the Impact of Glyphosate or Roundup MON 52276 on the Gut Microbiota and Serum Metabolome of Sprague-Dawley Rats. <i>Environmental Health Perspectives</i> , 2021, 129, 17005.	2.8	99
2184	Paper-Based Semi-quantitative Antimicrobial Susceptibility Testing. <i>ACS Omega</i> , 2021, 6, 1410-1414.	1.6	6
2185	Tannic acid-inspired, self-healing, and dual stimuli responsive dynamic hydrogel with potent antibacterial and anti-oxidative properties. <i>Journal of Materials Chemistry B</i> , 2021, 9, 7182-7195.	2.9	65
2186	Cytotoxicity and biocompatibility of bionanocomposites. , 2021, , 565-586.		0
2187	Antibiotic loaded Î²-tricalcium phosphate/calcium sulfate for antimicrobial potency, prevention and killing efficacy of <i>Pseudomonas aeruginosa</i> and <i>Staphylococcus aureus</i> biofilms. <i>Scientific Reports</i> , 2021, 11, 1446.	1.6	9
2188	Comparison of disk-diffusion and E-test methods for in-vitro susceptibility of <i>Streptococcus pneumoniae</i> isolates to oxacillin and ceftriaxone. <i>African Journal of Microbiology Research</i> , 2021, 15, 69-74.	0.4	0
2189	Alkynyl silver modified chitosan and its potential applications in food area. <i>Carbohydrate Polymers</i> , 2021, 254, 117416.	5.1	4
2190	Discovery of Brominated Alboflavusins With Anti-MRSA Activities. <i>Frontiers in Microbiology</i> , 2021, 12, 641025.	1.5	2
2191	Eugenol-Containing Essential Oils Loaded onto Chitosan/Polyvinyl Alcohol Blended Films and Their Ability to Eradicate <i>Staphylococcus aureus</i> or <i>Pseudomonas aeruginosa</i> from Infected Microenvironments. <i>Pharmaceutics</i> , 2021, 13, 195.	2.0	37
2192	Coexpression of MmpS5 and MmpL5 Contributes to Both Efflux Transporter MmpL5 Trimerization and Drug Resistance in <i>Mycobacterium tuberculosis</i> . <i>MSphere</i> , 2021, 6, .	1.3	13
2193	Safety assessment of <i>Lactobacillus reuteri</i> IDCC 3701 based on phenotypic and genomic analysis. <i>Annals of Microbiology</i> , 2021, 71, .	1.1	17
2194	Enhanced efficacy against bacterial biofilms via host:guest cyclodextrin-Î²-doxycycline inclusion complexes. <i>Journal of Inclusion Phenomena and Macroscopic Chemistry</i> , 2021, 99, 197-207.	0.9	6
2195	Functionalization of Crosslinked Sodium Alginate/Gelatin Wet-Spun Porous Fibers with Nisin Z for the Inhibition of <i>Staphylococcus aureus</i> -Induced Infections. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1930.	1.8	14

#	ARTICLE	IF	CITATIONS
2196	Rediscovery of antimicrobial peptides as therapeutic agents. <i>Journal of Microbiology</i> , 2021, 59, 113-123.	1.3	23
2197	Antibacterial activity of geraniin from sugar maple leaves: an ultrastructural study with the phytopathogen <i>Xanthomonas campestris</i> pv. <i>vitiens</i> . <i>Journal of Plant Pathology</i> , 2021, 103, 461-471.	0.6	2
2198	Patagonin-CRISP: Antimicrobial Activity and Source of Antimicrobial Molecules in Duvernoy's Gland Secretion (<i>Philodryas patagoniensis</i> Snake). <i>Frontiers in Pharmacology</i> , 2020, 11, 586705.	1.6	6
2199	Antimicrobial activity of medicinal plants used for urinary tract infections in pastoralist community in Ethiopia. <i>BMC Complementary Medicine and Therapies</i> , 2021, 21, 74.	1.2	11
2200	1±-Terpinyl Acetate: Occurrence in Essential Oils Bearing <i>Thymus pulegioides</i> , Phytotoxicity, and Antimicrobial Effects. <i>Molecules</i> , 2021, 26, 1065.	1.7	23
2201	Design, structural investigations and antimicrobial activity of pyrazole nucleating copper and zinc complexes. <i>Polyhedron</i> , 2021, 195, 114991.	1.0	32
2202	Exploring Antibiotic Resistance Diversity in <i>Leuconostoc</i> spp. by a Genome-Based Approach: Focus on the <i>IsaA</i> Gene. <i>Microorganisms</i> , 2021, 9, 491.	1.6	8
2203	Redox Protein OsaR (PA0056) Regulates <i>dsbM</i> and the Oxidative Stress Response in <i>Pseudomonas aeruginosa</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2021, 65, .	1.4	3
2204	A Novel Ivermectin-Derived Compound D4 and Its Antimicrobial/Biofilm Properties against MRSA. <i>Antibiotics</i> , 2021, 10, 208.	1.5	10
2205	Development, synthesis, and biological evaluation of sulfonyl amino acids as potential anti- <i>Helicobacter pylori</i> and IMPDH inhibitors. <i>Archiv Der Pharmazie</i> , 2021, 354, e2000385.	2.1	6
2206	Evolution of Antibiotic Tolerance Shapes Resistance Development in Chronic <i>Pseudomonas aeruginosa</i> Infections. <i>MBio</i> , 2021, 12, .	1.8	59
2207	Preparation of a Porphyrin Metal-Organic Framework with Desirable Photodynamic Antimicrobial Activity for Sustainable Plant Disease Management. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 2382-2391.	2.4	31
2208	Prevalent Synergy and Antagonism Among Antibiotics and Biocides in <i>Pseudomonas aeruginosa</i> . <i>Frontiers in Microbiology</i> , 2020, 11, 615618.	1.5	12
2209	OXA-181-Like Carbapenemases in <i>Klebsiella pneumoniae</i> ST14, ST15, ST23, ST48, and ST231 from Septicemic Neonates: Coexistence with NDM-5, Resistome, Transmissibility, and Genome Diversity. <i>MSphere</i> , 2021, 6, .	1.3	33
2210	Design, synthesis, spectral characterization and molecular docking studies of novel pyranoquinoliny dihydropyridine carboxylates as potential antibacterial agents including <i>Vibrio cholerae</i> with minimal cytotoxicity towards fibroblast cell line (L-929). <i>Bioorganic Chemistry</i> , 2021, 107, 104582.	2.0	10
2211	Frankincense, an aromatic medicinal exudate of <i>Boswellia carterii</i> used to mediate silver nanoparticle synthesis: Evaluation of bacterial molecular inhibition and its pathway. <i>Journal of Drug Delivery Science and Technology</i> , 2021, 61, 102337.	1.4	7
2213	Prevalence of <i>Xanthomonas euvesicatoria</i> (formally <i>X. perforans</i>) associated with bacterial spot severity in <i>Capsicum annuum</i> crops in South Central Chihuahua, Mexico. <i>PeerJ</i> , 2021, 9, e10913.	0.9	8
2214	Evaluation and validation of Biolog OmniLog [®] system for antibacterial activity assays. <i>Letters in Applied Microbiology</i> , 2021, 72, 589-595.	1.0	9

#	ARTICLE	IF	CITATIONS
2215	Vitamin B12-peptide nucleic acids use the BtuB receptor to pass through the Escherichia coli outer membrane. <i>Biophysical Journal</i> , 2021, 120, 725-737.	0.2	10
2216	Effects of cefazolin-containing niosome nanoparticles against methicillin-resistant <i>Staphylococcus aureus</i> biofilm formed on chronic wounds. <i>Biomedical Materials (Bristol)</i> , 2021, 16, 035001.	1.7	13
2217	Extended-spectrum β -lactamase blaCTX-M-1 group in gram-negative bacteria colonizing patients admitted at Mazimbu hospital and Morogoro Regional hospital in Morogoro, Tanzania. <i>BMC Research Notes</i> , 2021, 14, 77.	0.6	10
2218	Synthesis, Characterization, Antibacterial and Wound Healing Efficacy of Silver Nanoparticles From <i>Azadirachta indica</i> . <i>Frontiers in Microbiology</i> , 2021, 12, 611560.	1.5	67
2219	<i>In Vitro</i> Assessment of Antimicrobial Resistance Dissemination Dynamics during Multidrug-Resistant-Bacterium Invasion Events by Using a Continuous-Culture Device. <i>Applied and Environmental Microbiology</i> , 2021, 87, .	1.4	9
2220	A recombinant fungal defensin-like peptide-P2 combats <i>Streptococcus dysgalactiae</i> and biofilms. <i>Applied Microbiology and Biotechnology</i> , 2021, 105, 1489-1504.	1.7	7
2221	Two-Step Triethylamine-Based Synthesis of MgO Nanoparticles and Their Antibacterial Effect against Pathogenic Bacteria. <i>Nanomaterials</i> , 2021, 11, 410.	1.9	22
2222	The Minimum Inhibitory Concentration of Antibiotics: Methods, Interpretation, Clinical Relevance. <i>Pathogens</i> , 2021, 10, 165.	1.2	289
2223	Evolution of Bacterial Tolerance Under Antibiotic Treatment and Its Implications on the Development of Resistance. <i>Frontiers in Microbiology</i> , 2021, 12, 617412.	1.5	43
2224	A Set of Active Promoters with Different Activity Profiles for Superexpressing <i>Rhodococcus</i> Strain. <i>ACS Synthetic Biology</i> , 2021, 10, 515-530.	1.9	5
2225	Reduced Susceptibility to Chlorhexidine among <i>Staphylococcus aureus</i> Isolates in Israel: Phenotypic and Genotypic Tolerance. <i>Antibiotics</i> , 2021, 10, 342.	1.5	3
2226	Synthesis and Biological Evaluation of Pyrrolo[2,3-d]pyrimidine Derivatives as a Novel Class of Antimicrobial and Antiviral Agents. <i>Russian Journal of Organic Chemistry</i> , 2021, 57, 430-439.	0.3	2
2227	Silver Nanoparticles from <i>Oregano Leaves</i> ™ Extracts as Antimicrobial Components for Non-Infected Hydrogel Contact Lenses. <i>International Journal of Molecular Sciences</i> , 2021, 22, 3539.	1.8	14
2228	<i>Salmonella</i> spp. in Pet Reptiles in Portugal: Prevalence and Chlorhexidine Gluconate Antimicrobial Efficacy. <i>Antibiotics</i> , 2021, 10, 324.	1.5	6
2230	Changes in toxin production of environmental <i>Pseudomonas aeruginosa</i> isolates exposed to sub-inhibitory concentrations of three common antibiotics. <i>PLoS ONE</i> , 2021, 16, e0248014.	1.1	6
2231	Exploration of microbiome of medicinally important plants as biocontrol agents against <i>Phytophthora parasitica</i> . <i>Archives of Microbiology</i> , 2021, 203, 2475-2489.	1.0	5
2232	Enzymatic Synthesis of Glucose Fatty Acid Esters Using SCOs as Acyl Group-Donors and Their Biological Activities. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 2700.	1.3	14
2233	<i>In Vivo</i> Targeting of <i>Escherichia coli</i> with Vancomycin-Arginine. <i>Antimicrobial Agents and Chemotherapy</i> , 2021, 65, .	1.4	14

#	ARTICLE	IF	CITATIONS
2234	Structural Properties and Antimicrobial Activities of Polyalthia longifolia Leaf Extract-Mediated CuO Nanoparticles. <i>BioNanoScience</i> , 2021, 11, 579-589.	1.5	65
2235	The Roles of <i>Escherichia coli</i> <i>cyaA</i> / <i>crp</i> Genes in Metal Stress. <i>Adıyaman University Journal of Science</i> , 0, , .	0.0	0
2236	Design of a novel antimicrobial peptide 1018M targeted ppGpp to inhibit MRSA biofilm formation. <i>AMB Express</i> , 2021, 11, 49.	1.4	20
2238	In Silico Prediction and Analysis of Unusual Lantibiotic Resistance Operons in the Genus <i>Corynebacterium</i> . <i>Microorganisms</i> , 2021, 9, 646.	1.6	6
2239	Biodiversity, Bioactivity, and Metabolites of High Desert Derived Oregonian Soil Bacteria. <i>Chemistry and Biodiversity</i> , 2021, 18, e2100046.	1.0	2
2240	An ex vivo model of medical device-mediated bacterial skin translocation. <i>Scientific Reports</i> , 2021, 11, 5746.	1.6	12
2241	Synthesis, Characterization, Antibacterial, Antifungal and Antimalarial Study of Mixed Ligand Metal Complexes Derived from Azo Quinoline with Thiosemicarbazone. <i>Asian Journal of Chemistry</i> , 2021, 33, 885-891.	0.1	3
2242	Evaluation of Antibacterial Activity of Essential Oils and Their Combination against Multidrug-Resistant Bacteria Isolated from Skin Ulcer. <i>International Journal of Microbiology</i> , 2021, 2021, 1-8.	0.9	8
2243	Phytochemical analysis, antibacterial activity of hydromethanol extracts from stems of <i>Ximenia americana</i> , Côte d'Ivoire species on methicillin-resistant <i>Staphylococcus aureus</i> . <i>International Journal of Biological and Chemical Sciences</i> , 2021, 14, 3429-3440.	0.1	0
2244	Genetic Polymorphism Drives Susceptibility Between Bacteria and Bacteriophages. <i>Frontiers in Microbiology</i> , 2021, 12, 627897.	1.5	5
2245	Short communication: Algicide activity of antimicrobial peptides compounds against <i>Prototheca bovis</i> . <i>Journal of Dairy Science</i> , 2021, 104, 3554-3558.	1.4	5
2246	Nanomotion Detection-Based Rapid Antibiotic Susceptibility Testing. <i>Antibiotics</i> , 2021, 10, 287.	1.5	20
2247	Silver (I) N-Heterocyclic Carbene Complexes: A Winning and Broad Spectrum of Antimicrobial Properties. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2497.	1.8	21
2248	Nanoscale supramolecular architectures assembly of copper cyanide, organotin, and 1,10-phenanthroline coordination polymers: Design and biological applications. <i>Applied Organometallic Chemistry</i> , 2021, 35, e6247.	1.7	5
2249	Antimicrobial activities evaluation and phytochemical screening of some selected medicinal plants: A possible alternative in the treatment of multidrug-resistant microbes. <i>PLoS ONE</i> , 2021, 16, e0249253.	1.1	67
2250	Evaluation of Decontamination Efficacy of Electrolytically Generated Hypochlorous Acid for the Vesicating Agent: A Multimodel Study. <i>Current Pharmaceutical Biotechnology</i> , 2022, 23, 287-299.	0.9	0
2251	A Comprehensive Overview of Antibiotic Selection and the Factors Affecting It. <i>Cureus</i> , 2021, 13, e13925.	0.2	4
2252	Antibacterial activity of new silatrane pyrrole-2-carboxamide hybrids. <i>Mendeleev Communications</i> , 2021, 31, 204-206.	0.6	12

#	ARTICLE	IF	CITATIONS
2253	Biosynthesis of silver nanoparticles from Teucroside and investigation of its antibacterial activity. <i>Cumhuriyet Science Journal</i> , 2021, 42, 60-67.	0.1	3
2254	Emergence and evolution of antimicrobial resistance genes and mutations in <i>Neisseria gonorrhoeae</i> . <i>Genome Medicine</i> , 2021, 13, 51.	3.6	25
2255	Evaluation of bacterial strains isolated from Late Quaternary alluvial sediments spanning ~ 28 m in depth for heavy metal tolerance and Cr(VI) removal ability. <i>International Microbiology</i> , 2021, 24, 385-398.	1.1	2
2256	Diffusion-Driven Convection Hybrid Microfluidic Platform for Rapid Antibiotic Susceptibility Testing. <i>Analytical Chemistry</i> , 2021, 93, 5789-5796.	3.2	13
2257	Development of a new biomimetic method for the synthesis of silver nanoparticles based on fungal metabolites: optimization and antibacterial activity. <i>Journal of Chemical Technology and Biotechnology</i> , 2021, 96, 1981-1990.	1.6	3
2258	The Role of Rigid Residues in Modulating TEM-1 β -Lactamase Function and Thermostability. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2895.	1.8	7
2259	Microscopic Analysis of Bacterial Inoculum Effect Using Micropatterned Biochip. <i>Antibiotics</i> , 2021, 10, 300.	1.5	1
2260	Insights into <i>Acinetobacter baumannii</i> fatty acid synthesis 3-oxoacyl-ACP reductases. <i>Scientific Reports</i> , 2021, 11, 7050.	1.6	9
2261	Host-Guest nanosized coordination complexes based on Ag ⁺ -isonicotinic acid-H ₂ O and Ni ²⁺ -4,4'-bipyridine-aminobenzoic acid-H ₂ O as potentially active anticancer and antimicrobial agents. <i>Applied Organometallic Chemistry</i> , 2021, 35, e6235.		3
2262	Apomorphine Targets the Pleiotropic Bacterial Regulator Hfq. <i>Antibiotics</i> , 2021, 10, 257.	1.5	8
2263	Antifungal activity of silver nanoparticles synthesized by iturin against <i>Candida albicans</i> in vitro and in vivo. <i>Applied Microbiology and Biotechnology</i> , 2021, 105, 3759-3770.	1.7	25
2264	Genomic and phenotypic diversity of <i>Enterococcus faecalis</i> isolated from endophthalmitis. <i>PLoS ONE</i> , 2021, 16, e0250084.	1.1	8
2265	Extracellular Polymeric Substance Protects Some Cells in an <i>Escherichia coli</i> Biofilm from the Biomechanical Consequences of Treatment with Magainin 2. <i>Microorganisms</i> , 2021, 9, 976.	1.6	2
2267	Microtiter plate assays to assess antibiofilm activity against bacteria. <i>Nature Protocols</i> , 2021, 16, 2615-2632.	5.5	58
2268	Genetic determinants facilitating the evolution of resistance to carbapenem antibiotics. <i>ELife</i> , 2021, 10, .	2.8	15
2269	Snail mucus from the mantle and foot of two land snails, <i>Lissachatina fulica</i> and <i>Hemiplecta distincta</i> , exhibits different protein profile and biological activity. <i>BMC Research Notes</i> , 2021, 14, 138.	0.6	21
2270	Real-Time Respiration Changes as a Viability Indicator for Rapid Antibiotic Susceptibility Testing in a Microfluidic Chamber Array. <i>ACS Sensors</i> , 2021, 6, 2202-2210.	4.0	15
2271	Antimicrobials from Seaweeds for Food Applications. <i>Marine Drugs</i> , 2021, 19, 211.	2.2	23

#	ARTICLE	IF	CITATIONS
2272	Antimicrobial Resistance Gene Detection Methods for Bacteria in Animal-Based Foods: A Brief Review of Highlights and Advantages. <i>Microorganisms</i> , 2021, 9, 923.	1.6	28
2273	Effector and regulator: Diverse functions of <i>C. elegans</i> C-type lectin-like domain proteins. <i>PLoS Pathogens</i> , 2021, 17, e1009454.	2.1	22
2275	An Overview of Biological and Computational Methods for Designing Mechanism-Informed Anti-biofilm Agents. <i>Frontiers in Microbiology</i> , 2021, 12, 640787.	1.5	25
2276	Assessing biofilm inhibition and immunomodulatory activity of small amounts of synthetic host defense peptides synthesized using SPOT-array technology. <i>Nature Protocols</i> , 2021, 16, 1850-1870.	5.5	5
2277	Naphthalimide-Containing BP100 Leads to Higher Model Membranes Interactions and Antimicrobial Activity. <i>Biomolecules</i> , 2021, 11, 542.	1.8	2
2278	Population Bottlenecks Strongly Affect the Evolutionary Dynamics of Antibiotic Persistence. <i>Molecular Biology and Evolution</i> , 2021, 38, 3345-3357.	3.5	22
2279	Structural Disruptions of the Outer Membranes of Gram-Negative Bacteria by Rationally Designed Amphiphilic Antimicrobial Peptides. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 16062-16074.	4.0	39
2281	Engineering Selectively Targeting Antimicrobial Peptides. <i>Annual Review of Biomedical Engineering</i> , 2021, 23, 339-357.	5.7	31
2282	Impact of the Epithelial Lining Fluid Milieu on Amikacin Pharmacodynamics Against <i>Pseudomonas aeruginosa</i> . <i>Drugs in R and D</i> , 2021, 21, 203-215.	1.1	2
2283	The Bacterial Genomic Context of Highly Trimethoprim-Resistant DfrB Dihydrofolate Reductases Highlights an Emerging Threat to Public Health. <i>Antibiotics</i> , 2021, 10, 433.	1.5	12
2284	A Real-Time Thermal Sensor System for Quantifying the Inhibitory Effect of Antimicrobial Peptides on Bacterial Adhesion and Biofilm Formation. <i>Sensors</i> , 2021, 21, 2771.	2.1	9
2285	Benzofurazan derivatives modified graphene oxide nanocomposite: Physico-chemical characterization and interaction with bacterial and tumoral cells. <i>Materials Science and Engineering C</i> , 2021, 123, 112028.	3.8	6
2286	Enhancement of β -Glucan Biological Activity Using a Modified Acid-Base Extraction Method from <i>Saccharomyces cerevisiae</i> . <i>Molecules</i> , 2021, 26, 2113.	1.7	19
2287	Rapid Detection of <i>Escherichia coli</i> Antibiotic Susceptibility Using Live/Dead Spectrometry for Lytic Agents. <i>Microorganisms</i> , 2021, 9, 924.	1.6	10
2288	Colistin kills bacteria by targeting lipopolysaccharide in the cytoplasmic membrane. <i>ELife</i> , 2021, 10, .	2.8	177
2289	Cytochrome bd promotes <i>Escherichia coli</i> biofilm antibiotic tolerance by regulating accumulation of noxious chemicals. <i>Npj Biofilms and Microbiomes</i> , 2021, 7, 35.	2.9	15
2290	<i>Pseudomonas aeruginosa</i> Growth Inhibitor, PAGI264: A Natural Product from a Newly Isolated Marine Bacterium, <i>Bacillus</i> sp. Strain REB264. <i>Iranian Journal of Science and Technology, Transaction A: Science</i> , 2021, 45, 1165-1175.	0.7	3
2291	Fourier transform infrared assessment of cholesterol effect on antibiotic resistance of <i>Salmonella Typhimurium</i> . <i>Journal of Food Processing and Preservation</i> , 0, , e15416.	0.9	1

#	ARTICLE	IF	CITATIONS
2292	Fabrication of oral nanovesicle in-situ gel based on Epigallocatechin gallate phospholipid complex: Application in dental anti-caries. <i>European Journal of Pharmacology</i> , 2021, 897, 173951.	1.7	10
2294	Detection of mobile colistin-resistance gene variants (<i>mcr-1</i> and <i>mcr-2</i>) in urinary tract pathogens in Bangladesh: the last resort of infectious disease management colistin efficacy is under threat. <i>Expert Review of Clinical Pharmacology</i> , 2021, 14, 513-522.	1.3	14
2295	Synthesis and evaluation of cyclopentane-based muraymycin analogs targeting MraY. <i>European Journal of Medicinal Chemistry</i> , 2021, 215, 113272.	2.6	3
2296	Inhibitory mechanism of Chinese herbal medicine extracts on <i>Escherichia coli</i> and its application to fermented-bag sausage. <i>LWT - Food Science and Technology</i> , 2021, 140, 110825.	2.5	5
2297	Transcriptome Analysis of <i>Listeria monocytogenes</i> Exposed to Beef Fat Reveals Antimicrobial and Pathogenicity Attenuation Mechanisms. <i>Applied and Environmental Microbiology</i> , 2021, 87, .	1.4	4
2298	Antibacterial Effects of Essential Oils of Seven Medicinal-Aromatic Plants Against the Fish Pathogen <i>Aeromonas veronii</i> bv. <i>sobria</i> : To Blend or Not to Blend?. <i>Molecules</i> , 2021, 26, 2731.	1.7	7
2299	Antioxidant and antimicrobial activities of fennel, ginger, oregano and thyme essential oils. <i>Food Frontiers</i> , 2021, 2, 508-518.	3.7	33
2300	Essential Oil from Flowering Tops of <i>Lavandula dentata</i> (L): Chemical Composition, Antimicrobial, Antioxidant and Insecticidal Activities. <i>Journal of Essential Oil-bearing Plants: JEOP</i> , 2021, 24, 632-647.	0.7	13
2301	Characterization of the multidrug efflux transporter <i>StyMdtM</i> from <i>Salmonella enterica</i> serovar Typhi. <i>Proteins: Structure, Function and Bioinformatics</i> , 2021, 89, 1193-1204.	1.5	2
2302	<i>Pseudomonas entomophila</i> 23S Produces a Novel Antagonistic Compound against <i>Clavibacter michiganensis</i> subsp. <i>michiganensis</i> , a Pathogen of Tomato Bacterial Canker. <i>Applied Microbiology</i> , 2021, 1, 60-73.	0.7	6
2303	Synthesis, Properties, and Antimicrobial Activity of AlOOH@ZnO@LDH Nanostructures. <i>Russian Journal of Physical Chemistry A</i> , 2021, 95, 1043-1050.	0.1	4
2304	PCL-1, a Trypsin-Resistant Peptide, Exerts Potent Activity Against Drug-Resistant Bacteria. <i>Probiotics and Antimicrobial Proteins</i> , 2021, 13, 1467-1480.	1.9	1
2305	Temperate phage-antibiotic synergy eradicates bacteria through depletion of lysogens. <i>Cell Reports</i> , 2021, 35, 109172.	2.9	46
2306	Total Synthesis of Chalaniline B: An Antibiotic Aminoxanthone from Vorinostat-Treated Fungus <i>Chalara</i> sp. 6661. <i>Journal of Organic Chemistry</i> , 2021, 86, 7773-7780.	1.7	3
2307	Core Antibiotic-Induced Transcriptional Signatures Reflect Susceptibility to All Members of an Antibiotic Class. <i>Antimicrobial Agents and Chemotherapy</i> , 2021, 65, .	1.4	1
2308	Antimicrobial and Wound Healing Properties of FeO Fabricated Chitosan/PVA Nanocomposite Sponge. <i>Antibiotics</i> , 2021, 10, 524.	1.5	45
2309	Comparative Antimicrobial Activity of Hp404 Peptide and Its Analogs against <i>Acinetobacter baumannii</i> . <i>International Journal of Molecular Sciences</i> , 2021, 22, 5540.	1.8	14
2310	Dual emissive dinuclear Iridium(III) azomethine complexes: Synthesis, luminescence, thermal stability and antibacterial studies. <i>Journal of Luminescence</i> , 2021, 233, 117861.	1.5	3

#	ARTICLE	IF	CITATIONS
2311	A Novel Antimicrobial Peptides From Pine Needles of <i>Pinus densiflora</i> Sieb. et Zucc. Against Foodborne Bacteria. <i>Frontiers in Microbiology</i> , 2021, 12, 662462.	1.5	10
2312	Functional Attributes of Myco-Synthesized Silver Nanoparticles from Endophytic Fungi: A New Implication in Biomedical Applications. <i>Biology</i> , 2021, 10, 473.	1.3	24
2313	Design and Pharmacodynamics of Recombinant Fungus Defensin NZL with Improved Activity against <i>Staphylococcus hyicus</i> In Vitro and In Vivo. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5435.	1.8	12
2314	Inoculum effect of antimicrobial peptides. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	50
2315	Pharmacodynamic Evaluation of a Single Dose versus a 24-Hour Course of Multiple Doses of Cefazolin for Surgical Prophylaxis. <i>Antibiotics</i> , 2021, 10, 602.	1.5	2
2316	Antibacterial Activities Test of Ethanol Extracts of Kundur Fruit (<i>Benincasa hispida</i> Thunb. Cogn) on <i>Salmonella typhi</i> Bacteria. <i>Journal of Physics: Conference Series</i> , 2021, 1899, 012028.	0.3	1
2317	Chemical Composition and Antibacterial and Antioxidant Activities of the Essential Oil of <i>Oreocharis maximowiczii</i> . <i>Chemistry of Natural Compounds</i> , 2021, 57, 560-562.	0.2	0
2318	LC-MS/MS-based profiling of bioactive metabolites of endophytic bacteria from <i>Cannabis sativa</i> and their anti- <i>Phytophthora</i> activity. <i>Antonie Van Leeuwenhoek</i> , 2021, 114, 1165-1179.	0.7	8
2319	Discovery and Biosynthesis of a Structurally Dynamic Antibacterial Diterpenoid. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 14163-14170.	7.2	20
2320	Sub-Tissue Localization of Phytochemicals in <i>Cinnamomum camphora</i> (L.) J. Presl. Growing in Northern Italy. <i>Plants</i> , 2021, 10, 1008.	1.6	12
2321	Antimicrobial activity of extracts and fractions of <i>Euphorbia lateriflora</i> (Schum. and Thonn) on microbial isolates of the urinary tract. <i>Saudi Journal of Biological Sciences</i> , 2021, 28, 4723-4731.	1.8	3
2322	Phenotype profiles and adaptive preference of <i>Acinetobacter johnsonii</i> isolated from Ba River with different environmental backgrounds. <i>Environmental Research</i> , 2021, 196, 110913.	3.7	13
2323	Covalently construction of poly(hexamethylene biguanide) as high-efficiency antibacterial coating for silicone rubber. <i>Chemical Engineering Journal</i> , 2021, 412, 128707.	6.6	25
2324	Identification of a Novel Ciprofloxacin Tolerance Gene, <i>aciT</i> , Which Contributes to Filamentation in <i>Acinetobacter baumannii</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2021, 65, .	1.4	7
2325	Entdeckung und Biosynthese eines strukturdynamischen antibakteriellen Diterpenoids. <i>Angewandte Chemie</i> , 2021, 133, 14282-14289.	1.6	2
2326	Potential of Fermented Fruit Peel Liquid in Cosmetics as a Skin Care Agent. <i>Cosmetics</i> , 2021, 8, 33.	1.5	3
2327	Overcoming bacteriophage insensitivity in <i>Staphylococcus aureus</i> using clindamycin and azithromycin at subinhibitory concentrations. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2021, 76, 3446-3458.	2.7	9
2329	Toxicity and membrane perturbation properties of the ribotoxin-like protein Ageritin. <i>Journal of Biochemistry</i> , 2021, 170, 473-482.	0.9	10

#	ARTICLE	IF	CITATIONS
2330	Detection of MCR-1 Gene in Multiple Drug Resistant Escherichia coli and Klebsiella pneumoniae in Human Clinical Samples from Peshawar, Pakistan. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2021, 24, 737-742.	0.6	6
2331	Switching Bond: Generation of New Antimicrobial Peptides via the Incorporation of an Intramolecular Isopeptide Bond. <i>ACS Infectious Diseases</i> , 2021, 7, 1702-1712.	1.8	7
2332	Antifungal and anti-biofilm activity of a new Spanish extract of propolis against <i>Candida glabrata</i> . <i>BMC Complementary Medicine and Therapies</i> , 2021, 21, 147.	1.2	12
2333	Antimicrobial, antibiofilm, antioxidant, anticancer, and phytochemical composition of the seed extract of <i>Pongamia pinnata</i> . <i>Archives of Microbiology</i> , 2021, 203, 4005-4024.	1.0	11
2334	Brevibacillin 2V, a Novel Antimicrobial Lipopeptide With an Exceptionally Low Hemolytic Activity. <i>Frontiers in Microbiology</i> , 2021, 12, 693725.	1.5	13
2336	Structure based design, synthesis and evaluation of new thienopyrimidine derivatives as anti-bacterial agents. <i>Journal of Molecular Structure</i> , 2021, 1234, 130168.	1.8	8
2337	Rational design of antimicrobial peptides targeting Gram-negative bacteria. <i>Computational Biology and Chemistry</i> , 2021, 92, 107475.	1.1	4
2338	Taxonomic and Metabolomics Profiling of Actinobacteria Strains from Himalayan Collection Sites in Pakistan. <i>Current Microbiology</i> , 2021, 78, 3044-3057.	1.0	6
2339	Investigation of Antibiotic Resistance and Biofilm Formation in Clinical Isolates of <i>Klebsiella pneumoniae</i> . <i>International Journal of Microbiology</i> , 2021, 2021, 1-6.	0.9	21
2340	Coffee Consumption Modulates Amoxicillin-Induced Dysbiosis in the Murine Gut Microbiome. <i>Frontiers in Microbiology</i> , 2021, 12, 637282.	1.5	5
2341	Synthesis and Physicochemical Characterization of Novel Dicyclopropyl-Thiazole Compounds as Nontoxic and Promising Antifungals. <i>Materials</i> , 2021, 14, 3500.	1.3	1
2342	Molecular Basis of Selectivity and Activity for the Antimicrobial Peptide Lynronneâ€1 Informs Rational Design of Peptide with Improved Activity. <i>ChemBioChem</i> , 2021, 22, 2430-2439.	1.3	4
2343	Pharmacodynamics of once- versus twice-daily dosing of nebulized amikacin in an in vitro Hollow-Fiber Infection Model against 3 clinical isolates of <i>Pseudomonas aeruginosa</i> . <i>Diagnostic Microbiology and Infectious Disease</i> , 2021, 100, 115329.	0.8	2
2344	Activity of MSI-78, h-Lf1-11 and cecropin B antimicrobial peptides alone and in combination with voriconazole and amphotericin B against clinical isolates of <i>Fusarium solani</i> . <i>Journal De Mycologie Medicale</i> , 2021, 31, 101119.	0.7	6
2345	Development of a Broth Microdilution Method for Exebacase Susceptibility Testing. <i>Antimicrobial Agents and Chemotherapy</i> , 2021, 65, e0258720.	1.4	5
2346	Anticancer and biological properties of leaf and flower extracts of <i>Echinacea purpurea</i> (L.) Moench. <i>Food Bioscience</i> , 2021, 41, 101005.	2.0	16
2347	Development of novel cocrystal-based active food packaging by a Quality by Design approach. <i>Food Chemistry</i> , 2021, 347, 129051.	4.2	25
2348	Gene-Gene Interactions Dictate Ciprofloxacin Resistance in <i>Pseudomonas aeruginosa</i> and Facilitate Prediction of Resistance Phenotype from Genome Sequence Data. <i>Antimicrobial Agents and Chemotherapy</i> , 2021, 65, e0269620.	1.4	16

#	ARTICLE	IF	CITATIONS
2349	DNA Microarray-based Detection of Bacteria in Samples Containing Antibiotics: Effect of Antibiotics on the Performance of Pathogen Detection Assays. <i>Biotechnology and Bioprocess Engineering</i> , 2021, 26, 447-455.	1.4	3
2350	Two new cationic α -helical peptides identified from the venom gland of <i>Liocheles australasiae</i> possess antimicrobial activity against methicillin-resistant staphylococci. <i>Toxicon</i> , 2021, 196, 63-73.	0.8	12
2351	Comparison of a Short Linear Antimicrobial Peptide with Its Disulfide-Cyclized and Cyclotide-Grafted Variants against Clinically Relevant Pathogens. <i>Microorganisms</i> , 2021, 9, 1249.	1.6	13
2352	Effectiveness of Cathelicidin Antimicrobial Peptide against Ictalurid Catfish Bacterial Pathogens. <i>Journal of Aquatic Animal Health</i> , 2021, 33, 178-189.	0.6	13
2353	Linear and Branched Forms of Short Antimicrobial Peptide-IRK Inhibit Growth of Multi Drug Resistant <i>Staphylococcus aureus</i> Isolates from Mastitic Cow Milk. <i>International Journal of Peptide Research and Therapeutics</i> , 2021, 27, 2149-2159.	0.9	8
2354	Quinoline Antimalarials Increase the Antibacterial Activity of Ampicillin. <i>Frontiers in Microbiology</i> , 2021, 12, 556550.	1.5	10
2355	Therapeutic Potential of Novel Mastoparan-Chitosan Nanoconstructs Against Clinical MDR <i>Acinetobacter baumannii</i> : In silico, in vitro and in vivo Studies. <i>International Journal of Nanomedicine</i> , 2021, Volume 16, 3755-3773.	3.3	15
2356	Antibiotic-mediated expression analysis of Shiga toxin 1 and 2 in multi-drug-resistant Shiga toxigenic <i>Escherichia coli</i> . <i>Folia Microbiologica</i> , 2021, 66, 809-817.	1.1	1
2357	Photoinactivation of <i>Pseudomonas aeruginosa</i> Biofilm by Dicationic Diaryl-Porphyrin. <i>International Journal of Molecular Sciences</i> , 2021, 22, 6808.	1.8	10
2358	Nisin- and Ripcin-Derived Hybrid Lanthipeptides Display Selective Antimicrobial Activity against <i>Staphylococcus aureus</i> . <i>ACS Synthetic Biology</i> , 2021, 10, 1703-1714.	1.9	15
2359	The dye adsorption and antibacterial properties of composite polyacrylamide cryogels modified with ZnO. <i>Journal of Industrial and Engineering Chemistry</i> , 2021, 98, 200-210.	2.9	13
2360	Prodigiosin inhibits bacterial growth and virulence factors as a potential physiological response to interspecies competition. <i>PLoS ONE</i> , 2021, 16, e0253445.	1.1	30
2361	Multi-target mode of action of silver against <i>Staphylococcus aureus</i> endows it with capability to combat antibiotic resistance. <i>Nature Communications</i> , 2021, 12, 3331.	5.8	80
2363	Synthesis, Structural Analysis and Antibacterial Studies of Bis- and Open Chain Tetra-N-Heterocyclic Carbene Dinuclear Silver(I) Complexes. <i>Journal of Molecular Structure</i> , 2021, 1236, 130301.	1.8	11
2364	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.	1.3	6
2365	Diverse Effects of Natural and Synthetic Surfactants on the Inhibition of <i>Staphylococcus aureus</i> Biofilm. <i>Pharmaceutics</i> , 2021, 13, 1172.	2.0	11
2367	Antibiotics florfenicol and flumequine in the water column and sediments of Puyuhuapi Fjord, Chilean Patagonia. <i>Chemosphere</i> , 2021, 275, 130029.	4.2	14
2368	Synthesis and antibacterial study of cell-penetrating peptide conjugated trifluoroacetyl and thioacetyl lysine modified peptides. <i>European Journal of Medicinal Chemistry</i> , 2021, 219, 113447.	2.6	7

#	ARTICLE	IF	CITATIONS
2369	Impacts of Metabolism and Organic Acids on Cell Wall Composition and <i>Pseudomonas aeruginosa</i> Susceptibility to Membrane Active Antimicrobials. <i>ACS Infectious Diseases</i> , 2021, 7, 2310-2323.	1.8	7
2370	Antimicrobial properties of metal piperidine dithiocarbamate complexes against <i>Staphylococcus aureus</i> and <i>Candida albicans</i> . <i>Scientific African</i> , 2021, 12, e00846.	0.7	7
2371	Rapid Assembly of Infection-Resistant Coatings: Screening and Identification of Antimicrobial Peptides Works in Cooperation with an Antifouling Background. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 36784-36799.	4.0	21
2372	Exploring potential of glass surface immobilized short antimicrobial peptide (AMP) as antibacterial coatings. <i>Materials Today: Proceedings</i> , 2022, 49, 1367-1377.	0.9	4
2373	Tobramycin and Colistin display anti-inflammatory properties in CuFi-1 cystic fibrosis cell line. <i>European Journal of Pharmacology</i> , 2021, 902, 174098.	1.7	2
2374	Enhanced ceramides production by <i>Lactobacillus rhamnosus</i> IDCC 3201 and its proposed mechanism. <i>Applied Biological Chemistry</i> , 2021, 64, .	0.7	3
2375	Antibacterial and antioxidant potential of some Egyptian medicinal plants used in traditional medicine. <i>Journal of King Saud University - Science</i> , 2021, 33, 101466.	1.6	7
2376	Antimicrobial and antioxidant activity of <i>Evernia prunastri</i> extracts and their isolates. <i>World Journal of Microbiology and Biotechnology</i> , 2021, 37, 129.	1.7	10
2377	Phytochemical profile, antimicrobial, and anti-quorum sensing properties of fruit stalks of <i>Prunus avium</i> L.. <i>Letters in Applied Microbiology</i> , 2021, 73, 426-437.	1.0	10
2378	Novel Cyclic Lipopeptides Fusaricidin Analogs for Treating Wound Infections. <i>Frontiers in Microbiology</i> , 2021, 12, 708904.	1.5	5
2379	Metabolite profiling reveals a role for intercellular dihydrocamalexin acid in the response of mature <i>Arabidopsis thaliana</i> to <i>Pseudomonas syringae</i> . <i>Phytochemistry</i> , 2021, 187, 112747.	1.4	7
2380	Antimicrobial and antioxidant potentials of non-cytotoxic extracts of corticolous lichens sampled in Armenia. <i>AMB Express</i> , 2021, 11, 110.	1.4	7
2381	Testing physiologically relevant conditions in minimal inhibitory concentration assays. <i>Nature Protocols</i> , 2021, 16, 3761-3774.	5.5	28
2382	Antibiotic resistance dissemination in wastewater treatment plants: a challenge for the reuse of treated wastewater in agriculture. <i>Reviews in Environmental Science and Biotechnology</i> , 2021, 20, 1043-1072.	3.9	24
2383	PEP27-2, a Potent Antimicrobial Cell-Penetrating Peptide, Reduces Skin Abscess Formation during <i>Staphylococcus aureus</i> Infections in Mouse When Used in Combination with Antibiotics. <i>ACS Infectious Diseases</i> , 2021, 7, 2620-2636.	1.8	15
2384	Evaluating the performance characteristics of different antimicrobial susceptibility testing methodologies for testing susceptibility of gram-negative bacteria to tigecycline. <i>BMC Infectious Diseases</i> , 2021, 21, 709.	1.3	8
2385	Biological activity of 3-(2-benzoxazol-5-yl)alanine derivatives. <i>Amino Acids</i> , 2021, 53, 1257-1268.	1.2	4
2386	Antibacterial activity of noscapine analogs. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2021, 43, 128055.	1.0	3

#	ARTICLE	IF	CITATIONS
2387	Poluentes emergentes: Antimicrobianos no ambiente, a educação ambiental e o aspecto regulatãrio nacional e internacional. Research, Society and Development, 2021, 10, e16910817083.	0.0	0
2388	Biological Activities Related to Plant Protection and Environmental Effects of Coumarin Derivatives: QSAR and Molecular Docking Studies. International Journal of Molecular Sciences, 2021, 22, 7283.	1.8	9
2389	Carbopol-olive oil-based bigel drug delivery system of doxycycline hyclate for the treatment of acne. Drug Development and Industrial Pharmacy, 2021, 47, 954-962.	0.9	10
2390	Identification of a crocodylian Î²-defensin variant from Alligator mississippiensis with antimicrobial and antibiofilm activity. Peptides, 2021, 141, 170549.	1.2	8
2391	Evaluation the Therapeutic Index of Recombinant Antimicrobial S3 Tetramer-Peptides Expressed in E. coli. International Journal of Peptide Research and Therapeutics, 2021, 27, 2439.	0.9	0
2392	Anti-Plasmid Activity of Chlorpromazine in Types of Antibiotics Resistant Pathogenic Bacteria. Al-Qadisiyah Journal of Pure Science, 2021, 26, 231-238.	0.1	0
2393	Biogenic copper nanoparticles produced by using the Klebsiella pneumoniae strain NST2 curtailed salt stress effects in maize by modulating the cellular oxidative repair mechanisms. Ecotoxicology and Environmental Safety, 2021, 217, 112264.	2.9	27
2394	The Polymeric Matrix Composition of <i>Vibrio cholerae</i> Biofilms Modulate Resistance to Silver Nanoparticles Prepared by Hydrothermal Synthesis. ACS Applied Materials & Interfaces, 2021, 13, 35356-35364.	4.0	12
2395	The Mycobacterial Efflux Pump EfpA Can Induce High Drug Tolerance to Many Antituberculosis Drugs, Including Moxifloxacin, in Mycobacterium smegmatis. Antimicrobial Agents and Chemotherapy, 2021, 65, e0026221.	1.4	4
2396	Polymer Vesicles for Antimicrobial Applications. Polymers, 2021, 13, 2903.	2.0	9
2397	Mycobacterial Membrane Protein Large 3 (MmpL3) Inhibitors: A Promising Approach to Combat Tuberculosis. ChemMedChem, 2021, 16, 3136-3148.	1.6	24
2398	Synthetic Antimicrobial Peptide Polybia MP-1 (Mastoparan) Inhibits Growth of Antibiotic Resistant Pseudomonas aeruginosa Isolates From Mastitic Cow Milk. International Journal of Peptide Research and Therapeutics, 2021, 27, 2471-2486.	0.9	4
2399	Synthesis, characterization, theoretical, and antimicrobial studies of indenoquinoxalin-based ligands and their reactions with CuBr(PPh3)3. Journal of Molecular Structure, 2021, 1238, 130309.	1.8	2
2400	Prevalence and molecular mechanisms of colistin resistance in Acinetobacter baumannii clinical isolates in Tehran, Iran. Acta Microbiologica Et Immunologica Hungarica, 2021, , .	0.4	4
2401	Dodecapeptide Cathelicidins of Cetartiodactyla: Structure, Mechanism of Antimicrobial Action, and Synergistic Interaction With Other Cathelicidins. Frontiers in Microbiology, 2021, 12, 725526.	1.5	4
2402	The newly synthesized thiazole derivatives as potential antifungal compounds against Candida albicans. Applied Microbiology and Biotechnology, 2021, 105, 6355-6367.	1.7	21
2403	Characterization of Pseudomonas aeruginosa Quorum Sensing Inhibitors from the Endophyte Lasiodiplodia venezuelensis and Evaluation of Their Antivirulence Effects by Metabolomics. Microorganisms, 2021, 9, 1807.	1.6	4
2404	The Drosophila Baramicin polypeptide gene protects against fungal infection. PLoS Pathogens, 2021, 17, e1009846.	2.1	34

#	ARTICLE	IF	CITATIONS
2405	A Targeted Photosensitizer Mediated by Visible Light for Efficient Therapy of Bacterial Keratitis. <i>Biomacromolecules</i> , 2021, 22, 3704-3717.	2.6	14
2406	Enantioselective Synthesis and Application of Small and Environmentally Sensitive Fluorescent Amino Acids for Probing Biological Interactions. <i>Journal of Organic Chemistry</i> , 2021, 86, 11407-11418.	1.7	1
2407	Standard methods for pollen research. <i>Journal of Apicultural Research</i> , 2021, 60, 1-109.	0.7	25
2408	Recombinant R2-pyocin cream is effective in treating <i>Pseudomonas aeruginosa</i> -infected wounds. <i>Canadian Journal of Microbiology</i> , 2021, 67, 919-932.	0.8	4
2409	Electrogenerated Chemiluminescence Biosensor Based on Functionalized Two-Dimensional Metal-Organic Frameworks for Bacterial Detection and Antimicrobial Susceptibility Assays. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 38923-38930.	4.0	16
2410	Influence of butyrate on the pathogenicity of <i>Aeromonas hydrophila</i> . <i>Aquaculture Nutrition</i> , 2021, 27, 13-19.	1.1	2
2411	Semisynthetic Macrocyclic Lipo-lanthipeptides Display Antimicrobial Activity Against Bacterial Pathogens. <i>ACS Synthetic Biology</i> , 2021, 10, 1980-1991.	1.9	12
2412	Evaluation of Short-Chain Antimicrobial Peptides With Combined Antimicrobial and Anti-inflammatory Bioactivities for the Treatment of Zoonotic Skin Pathogens From Canines. <i>Frontiers in Microbiology</i> , 2021, 12, 684650.	1.5	3
2413	Evaluation of antioxidant, antibacterial and cytotoxicity activities of exopolysaccharide from <i>Enterococcus</i> strains isolated from traditional Iranian Kishk. <i>Journal of Food Measurement and Characterization</i> , 2021, 15, 5221-5230.	1.6	21
2415	Antibacterial potential of biosynthesized silver nanoparticles using phycocyanin of freshwater cyanobacterium <i>Oscillatoria pseudogeminata</i> . <i>Applied Nanoscience (Switzerland)</i> , 2023, 13, 1277-1283.	1.6	4
2416	<i>N</i> -Acetyl-cysteine-Loaded Nanosystems as a Promising Therapeutic Approach Toward the Eradication of <i>Pseudomonas aeruginosa</i> Biofilms. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 42329-42343.	4.0	8
2417	Protein extract of <i>Bromelia karatas</i> L. rich in cysteine proteases (ananain- and bromelain-like) has antibacterial activity against foodborne pathogens <i>Listeria monocytogenes</i> and <i>Salmonella Typhimurium</i> . <i>Folia Microbiologica</i> , 2022, 67, 1-13.	1.1	5
2418	A Concise Synthetic Strategy Towards the Novel Calcium-dependent Lipopeptide Antibiotic, Malacidin A and Analogues. <i>Frontiers in Chemistry</i> , 2021, 9, 687875.	1.8	6
2419	The Total Chemical Synthesis and Biological Evaluation of the Cationic Antimicrobial Peptides, Laterocidine and Brevicidine. <i>Journal of Natural Products</i> , 2021, 84, 2165-2174.	1.5	9
2420	Synthetic Peptide Derived from Scorpion Venom Displays Minimal Toxicity and Anti-infective Activity in an Animal Model. <i>ACS Infectious Diseases</i> , 2021, 7, 2736-2745.	1.8	6
2421	Nitrofurazone repurposing towards design and synthesis of novel apoptotic-dependent anticancer and antimicrobial agents: Biological evaluation, kinetic studies and molecular modeling. <i>Bioorganic Chemistry</i> , 2021, 113, 104971.	2.0	4
2422	A New High-Throughput-Screening-Assay for Photoantimicrobials Based on EUCAST Revealed Unknown Photoantimicrobials in Cortinariaceae. <i>Frontiers in Microbiology</i> , 2021, 12, 703544.	1.5	12
2423	Antibacterial Activity of RM12, a Tachykinin Derivative, Against <i>Pseudomonas aeruginosa</i> . <i>International Journal of Peptide Research and Therapeutics</i> , 2021, 27, 2571-2581.	0.9	6

#	ARTICLE	IF	CITATIONS
2424	Improved antimicrobial activity and oral bioavailability of delafloxacin by self-nanoemulsifying drug delivery system (SNEDDS). <i>Journal of Drug Delivery Science and Technology</i> , 2021, 64, 102572.	1.4	14
2425	Enzymatic and Antimicrobial Activity of Biologically Active Samples from <i>Aloe arborescens</i> and <i>Aloe barbadensis</i> . <i>Biology</i> , 2021, 10, 765.	1.3	12
2426	Synthesis of pyrrolo[3,2-c]carbazole-2-carbohydrazides and pyrrolo[3,2-c]carbazol-2-yl-1,3,4-oxadiazoles and their <i>in vitro</i> antibacterial evaluation. <i>Synthetic Communications</i> , 2021, 51, 3164-3174.	1.1	3
2427	Identification of a New Antimicrobial Agent against Bovine Mastitis-Causing <i>Staphylococcus aureus</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 9968-9978.	2.4	8
2428	Sol-gel synthesized rutile TiO ₂ nanoparticles loaded with cardamom essential oil: Enhanced antibacterial activity. <i>Journal of Drug Delivery Science and Technology</i> , 2021, 64, 102581.	1.4	17
2429	Microwave-assisted green synthesis of silver nanoparticles using crude extracts of <i>Boletus edulis</i> and <i>Coriolus versicolor</i> : Characterization, anticancer, antimicrobial and wound healing activities. <i>Journal of Drug Delivery Science and Technology</i> , 2021, 64, 102641.	1.4	38
2430	Effects of Incubation Time and Inoculation Level on the Stabilities of Bacteriostatic and Bactericidal Antibiotics against <i>Salmonella Typhimurium</i> . <i>Antibiotics</i> , 2021, 10, 1019.	1.5	3
2431	Dual Agents: Fungal Macrocidins and Synthetic Analogues with Herbicidal and Antibiofilm Activities. <i>Antibiotics</i> , 2021, 10, 1022.	1.5	7
2432	Identification and Characterization of Pleiotropic High-Persistence Mutations in the Beta Subunit of the Bacterial RNA Polymerase. <i>Antimicrobial Agents and Chemotherapy</i> , 2021, 65, e0052221.	1.4	2
2433	Absence of Light Exposure Increases Pathogenicity of <i>Pseudomonas aeruginosa</i> Pneumonia-Associated Clinical Isolates. <i>Biology</i> , 2021, 10, 837.	1.3	1
2434	Antibacterial Gel Coatings Inspired by the Cryptic Function of a Mussel Byssal Peptide. <i>Advanced Materials</i> , 2021, 33, e2103677.	11.1	46
2435	Increased antibacterial properties of indoline-derived phenolic Mannich bases. <i>European Journal of Medicinal Chemistry</i> , 2021, 220, 113459.	2.6	4
2436	Rationally Modified Antimicrobial Peptides from the N-Terminal Domain of Human RNase 3 Show Exceptional Serum Stability. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 11472-11482.	2.9	13
2437	Nutraceutical potential of <i>Pennisetum typhoides</i> microgreens: In vitro evaluation of antioxidant and antibacterial activities and <i>in silico</i> <i>Staphylococcus aureus</i> FtsZ inhibition. <i>Food Bioscience</i> , 2021, 42, 101151.	2.0	5
2438	Identification and Characterization of Antimicrobial Peptides From Butterflies: An Integrated Bioinformatics and Experimental Study. <i>Frontiers in Microbiology</i> , 2021, 12, 720381.	1.5	4
2439	Silver nanoparticles nucleated in NaOH-treated halloysite: a potential antimicrobial material. <i>Beilstein Journal of Nanotechnology</i> , 2021, 12, 798-807.	1.5	8
2441	Antibacterial ultrafiltration membrane with silver nanoparticle impregnation by interfacial polymerization for ballast water. <i>Journal of Polymer Science</i> , 2021, 59, 2295-2308.	2.0	11
2442	Color-Coded Droplets and Microscopic Image Analysis for Multiplexed Antibiotic Susceptibility Testing. <i>Biosensors</i> , 2021, 11, 283.	2.3	3

#	ARTICLE	IF	CITATIONS
2443	Genipin in an Ex Vivo Corneal Model of Bacterial and Fungal Keratitis. <i>Translational Vision Science and Technology</i> , 2021, 10, 31.	1.1	10
2444	Effect of dietary phytobiotic mixture on growth performance, nutrient utilization, and immunity in weaned piglets. <i>Tropical Animal Health and Production</i> , 2021, 53, 459.	0.5	5
2445	Identification, Isolation, and Characterization of Medipeptins, Antimicrobial Peptides From <i>Pseudomonas mediterranea</i> EDOX. <i>Frontiers in Microbiology</i> , 2021, 12, 732771.	1.5	3
2446	New Water-Soluble Condensed Heterocyclic Compounds with Antimicrobial Activity Based on Annulation Reactions of 8-Quinolinesulfonyl Halides with Natural Products and Alkenes. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 8532.	1.3	2
2447	Production and Purification of Two Bioactive Antimicrobial Peptides Using a Two-Step Approach Involving an Elastin-Like Fusion Tag. <i>Pharmaceuticals</i> , 2021, 14, 956.	1.7	10
2448	Enhancement of Antibiofilm Activity of Ciprofloxacin against <i>Staphylococcus aureus</i> by Administration of Antimicrobial Peptides. <i>Antibiotics</i> , 2021, 10, 1159.	1.5	10
2449	Preclinical Development of a Bacteriophage Cocktail for Treating Multidrug Resistant <i>Pseudomonas aeruginosa</i> Infections. <i>Microorganisms</i> , 2021, 9, 2001.	1.6	9
2450	Poly(L-ornithine)-Grafted Zinc Phthalocyanines as Dual-Functional Antimicrobial Agents with Intrinsic Membrane Damage and Photothermal Ablation Capacity. <i>ACS Infectious Diseases</i> , 2021, 7, 2917-2929.	1.8	7
2451	Anti-Fungal Hevein-like Peptides Biosynthesized from Quinoa Cleavable Hololectins. <i>Molecules</i> , 2021, 26, 5909.	1.7	18
2452	Isolation of extensively drug resistant <i>Acinetobacter baumannii</i> from environmental surfaces inside intensive care units. <i>American Journal of Infection Control</i> , 2022, 50, 159-165.	1.1	17
2453	RexAB Promotes the Survival of <i>Staphylococcus aureus</i> Exposed to Multiple Classes of Antibiotics. <i>Antimicrobial Agents and Chemotherapy</i> , 2021, 65, e0059421.	1.4	10
2454	Enhanced Efficacy of Some Antibiotics in Presence of Silver Nanoparticles Against Multidrug Resistant <i>Pseudomonas aeruginosa</i> Recovered From Burn Wound Infections. <i>Frontiers in Microbiology</i> , 2021, 12, 648560.	1.5	30
2455	Combination of silver nanoparticles with ineffective antibiotics against extended spectrum beta-lactamases producing isolates at Alexandria Main University Hospital, Egypt. <i>Beni-Suef University Journal of Basic and Applied Sciences</i> , 2021, 10, .	0.8	4
2456	In situ biosynthesized silver nanoparticle-incorporated synthesized zeolite A using <i>Orthosiphon aristatus</i> extract for in vitro antibacterial wound healing. <i>Particology</i> , 2022, 67, 27-34.	2.0	13
2457	Genotoxic Agents Produce Stressor-Specific Spectra of Spectinomycin Resistance Mutations Based on Mechanism of Action and Selection in <i>Bacillus subtilis</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2021, 65, e0089121.	1.4	1
2458	A Novel Family of [1,4]Thiazino[2,3,4-ij]quinolin-4-ium Derivatives: Regioselective Synthesis Based on Unsaturated Heteroatom and Heterocyclic Compounds and Antibacterial Activity. <i>Molecules</i> , 2021, 26, 5579.	1.7	2
2459	Development of a Freshness Assay for Royal Jelly Based on the Temperature- and Time-Dependent Changes of Antimicrobial Effectiveness and Proteome Dynamics of Royal Jelly Proteins. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 10731-10740.	2.4	5
2462	Anthelmintic, Anti-Inflammatory, Antioxidant, and Antimicrobial Activities and FTIR Analyses of <i>Vernonia camporum</i> Stem-Bark. <i>Journal of Chemistry</i> , 2021, 2021, 1-15.	0.9	4

#	ARTICLE	IF	CITATIONS
2463	Minimum inhibitory concentrations of commonly used antibiotics against <i>Helicobacter Pylori</i> : A multicenter study in South China. <i>PLoS ONE</i> , 2021, 16, e0256225.	1.1	6
2464	Yield improvement of enediyne yangpomicins in <i>Micromonospora yangpuensis</i> through ribosome engineering and fermentation optimization. <i>Biotechnology Journal</i> , 2021, 16, 2100250.	1.8	2
2465	Screening and preservation application of quorum sensing inhibitors of <i>Pseudomonas fluorescens</i> and <i>Shewanella baltica</i> in seafood products. <i>LWT - Food Science and Technology</i> , 2021, 149, 111749.	2.5	13
2466	Enhanced Cd phytostabilization and rhizosphere bacterial diversity of <i>Robinia pseudoacacia</i> L. by endophyte <i>Enterobacter</i> sp. YG-14 combined with sludge biochar. <i>Science of the Total Environment</i> , 2021, 787, 147660.	3.9	29
2467	Towards Advances in Medicinal Plant Antimicrobial Activity: A Review Study on Challenges and Future Perspectives. <i>Microorganisms</i> , 2021, 9, 2041.	1.6	206
2468	Gold nanoclusters treat intracellular bacterial infections: Eliminating phagocytic pathogens and regulating cellular immune response. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 205, 111899.	2.5	12
2470	The Next-Generation β -Lactamase Inhibitor Taniborbactam Restores the Morphological Effects of Cefepime in KPC-Producing <i>Escherichia coli</i> . <i>Microbiology Spectrum</i> , 2021, 9, e0091821.	1.2	5
2471	FORMULATION AND DEVELOPMENT OF CURCUMIN BASED EMULGEL IN TREATMENT AND RECURRENCE OF VAGINAL CANDIDIASIS. <i>International Journal of Current Pharmaceutical Research</i> , 0, , 89-99.	0.2	1
2472	A sodium alginate bilayer coating incorporated with green propolis extract as a powerful tool to extend <i>Colossoma macropomum</i> fillet shelf-life. <i>Food Chemistry</i> , 2021, 355, 129610.	4.2	19
2473	Exploring Phenolic Compounds as Quorum Sensing Inhibitors in Foodborne Bacteria. <i>Frontiers in Microbiology</i> , 2021, 12, 735931.	1.5	27
2474	<i>Moringa oleifera</i> seeds-removed ripened pods as alternative for papersheet production: antimicrobial activity and their phytoconstituents profile using HPLC. <i>Scientific Reports</i> , 2021, 11, 19027.	1.6	12
2475	Manipulating turn residues on de novo designed β -hairpin peptides for selectivity against drug-resistant bacteria. <i>Acta Biomaterialia</i> , 2021, 135, 214-224.	4.1	6
2476	Irritable Bowel Syndrome Therapeutic Has Broad-Spectrum Antimicrobial Activity. <i>Antimicrobial Agents and Chemotherapy</i> , 2021, 65, e0044321.	1.4	3
2477	<i>Apis andreniformis</i> associated Actinomycetes show antimicrobial activity against black rot pathogen (<i>Xanthomonas campestris</i> pv. <i>campestris</i>). <i>PeerJ</i> , 2021, 9, e12097.	0.9	7
2478	The <i>Acinetobacter baumannii</i> disinfectant resistance protein, AmvA, is a spermidine and spermine efflux pump. <i>Communications Biology</i> , 2021, 4, 1114.	2.0	17
2479	Investigation of Kappa Carrageenan's mucoadhesive, antibacterial, and anti-biofilm properties. <i>International Forum of Allergy and Rhinology</i> , 2022, 12, 302-305.	1.5	2
2480	The Effects of Tormentic Acid and Extracts from <i>Callistemon citrinus</i> on <i>Candida albicans</i> and <i>Candida tropicalis</i> Growth and Inhibition of Ergosterol Biosynthesis in <i>Candida albicans</i> . <i>Scientific World Journal</i> , The, 2021, 2021, 1-13.	0.8	5
2481	Effect of iron chelation on anti-pseudomonal activity of doxycycline. <i>International Journal of Antimicrobial Agents</i> , 2021, 58, 106438.	1.1	11

#	ARTICLE	IF	CITATIONS
2482	The Step-Wise Synthesis of Oligomeric Phosphoramidates. <i>European Journal of Organic Chemistry</i> , 0, , .	1.2	1
2483	Novel Daptomycin Tolerance and Resistance Mutations in Methicillin-Resistant <i>Staphylococcus aureus</i> from Adaptive Laboratory Evolution. <i>MSphere</i> , 2021, 6, e0069221.	1.3	11
2484	Isolation and identification of <i>Delftia lacustris</i> Strain-MS3 as a novel and efficient adsorbent for lead biosorption: Kinetics and thermodynamic studies, optimization of operating variables. <i>Biochemical Engineering Journal</i> , 2021, 173, 108091.	1.8	27
2485	Antimicrobial and Hepatoprotective Effect of Chitosan Nanoparticles In-vitro and In-vivo Study. <i>Journal of Pharmaceutical Research International</i> , 0, , 244-264.	1.0	4
2486	Synthesis, spectroscopic/electrochemical characterization, DNA/Protein binding studies and bioactivity assays of Ru(II) carbonyl complexes of 4-oxo-4H-chromene-3-carbaldehyde thiosemicarbazones. <i>Inorganica Chimica Acta</i> , 2021, 525, 120470.	1.2	1
2487	Deferasirox pyridine solvate and its Cu(II) complex: Synthesis, crystal structure, Hirshfeld surface analysis, antimicrobial assays and antioxidant activity. <i>Journal of Molecular Structure</i> , 2022, 1249, 131525.	1.8	7
2488	Conductometric Immunosensor for <i>Escherichia coli</i> O157:H7 Detection Based on Polyaniline/Zinc Oxide (PANI/ZnO) Nanocomposite. <i>Polymers</i> , 2021, 13, 3288.	2.0	17
2489	Lung-Targeting Lysostaphin Microspheres for Methicillin-Resistant <i>Staphylococcus aureus</i> Pneumonia Treatment and Prevention. <i>ACS Nano</i> , 2021, 15, 16625-16641.	7.3	18
2490	Identification of ruthenium (II) complexes with furan-substituted ligands as possible antibacterial agents against <i>Staphylococcus aureus</i> . <i>Chemical Biology and Drug Design</i> , 2021, 98, 885-893.	1.5	2
2491	PepVAE: Variational Autoencoder Framework for Antimicrobial Peptide Generation and Activity Prediction. <i>Frontiers in Microbiology</i> , 2021, 12, 725727.	1.5	37
2492	Synthesis and structure-activity relationship of new chalcone linked 5-phenyl-3-isoxazolecarboxylic acid methyl esters potentially active against drug resistant <i>Mycobacterium tuberculosis</i> . <i>European Journal of Medicinal Chemistry</i> , 2021, 222, 113580.	2.6	15
2493	The immunomodulatory function of the porcine β -defensin 129: Alleviate inflammatory response induced by LPS in IPEC-J2 cells. <i>International Journal of Biological Macromolecules</i> , 2021, 188, 473-481.	3.6	9
2494	Host defense peptides identified in human apolipoprotein B as novel food biopreservatives and active coating components. <i>Food Microbiology</i> , 2021, 99, 103804.	2.1	13
2495	Stochastic response of bacterial cells to antibiotics: its mechanisms and implications for population and evolutionary dynamics. <i>Current Opinion in Microbiology</i> , 2021, 63, 104-108.	2.3	11
2496	Wisdom of the crowds: A suggested polygenic plan for small-RNA-mediated regulation in bacteria. <i>IScience</i> , 2021, 24, 103096.	1.9	7
2497	Synthesis of silver-nisin nanoparticles with low cytotoxicity as antimicrobials against biofilm-forming pathogens. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 206, 111965.	2.5	16
2498	Mediated self-assembly of host-guest nano copper cyanide and 1,7-diaminoheptane: Design, catalytic and biological evaluation. <i>Journal of Organometallic Chemistry</i> , 2021, 951, 122011.	0.8	2
2499	Two seco-norabietane diterpenoids with unprecedented skeletons from the roots of <i>Salvia abrotanoides</i> (Kar.) Sytisma. <i>Phytochemistry</i> , 2021, 191, 112926.	1.4	2

#	ARTICLE	IF	CITATIONS
2500	Novel antimicrobial cecropins derived from <i>O. curvicornis</i> and <i>D. satanas</i> dung beetles. <i>Peptides</i> , 2021, 145, 170626.	1.2	3
2501	Unprecedented biological evaluation of Zn(II) complexes supported by "Self-adjustable" acyclic diiminodipyrromethane Schiff TM s bases: DFT, molecular docking; biological activity studies. <i>Inorganic Chemistry Communication</i> , 2021, 133, 108936.	1.8	5
2502	Characterization of <i>Flavobacterium columnare</i> from farmed infected rainbow trout, <i>Oncorhynchus mykiss</i> (Walbaum, 1792) of Central Indian Himalayan region, India. <i>Aquaculture</i> , 2021, 544, 737118.	1.7	14
2503	Synthesis and antibacterial evaluation of (E)-1-(1H-indol-3-yl) ethanone O-benzyl oxime derivatives against MRSA and VRSA strains. <i>Bioorganic Chemistry</i> , 2021, 116, 105288.	2.0	8
2504	"Barcode" cell sensor microfluidic system: Rapid and sample-to-answer antimicrobial susceptibility testing applicable in resource-limited conditions. <i>Biosensors and Bioelectronics</i> , 2021, 192, 113516.	5.3	4
2505	Effective valorisation of facile extract matrix of <i>Terminalia arjuna</i> (Roxb) against elite microbes of aquaculture industry—a credence to bioactive principles: Can it be a sustainability paradigm in designing broad spectrum antimicrobials?. <i>Industrial Crops and Products</i> , 2021, 171, 113905.	2.5	3
2506	Probiotic potential and safety assessment of bacteriocinogenic <i>Enterococcus faecium</i> strains with antibacterial activity against <i>Listeria</i> and vancomycin-resistant enterococci. <i>Current Research in Microbial Sciences</i> , 2021, 2, 100070.	1.4	14
2507	Surface integration of polyelectrolyte and zeolitic imidazolate framework-67 for multifunctional poly (lactic acid) non-woven fabrics. <i>Applied Surface Science</i> , 2021, 569, 151039.	3.1	15
2508	Development of a low-temperature extrusion process for production of GRAS bioactive-polymer loaded compounds for targeting antimicrobial-resistant (AMR) bacteria. <i>Science of the Total Environment</i> , 2021, 800, 149545.	3.9	12
2509	A new Organic-Inorganic hybrid compound (NH ₃ (CH ₂) ₂ C ₆ H ₅) ₂ [SnCl ₆]: Crystal structure, characterization, Hirshfeld surface analysis, DFT calculation, vibrational properties and biological evaluation. <i>Journal of Solid State Chemistry</i> , 2021, 304, 122587.	1.4	6
2510	Synthesis, characterization and in vitro evaluation of cytotoxicity and antibacterial properties of vanadyl complexes of the pyridoxal Schiff bases. <i>Journal of Molecular Structure</i> , 2021, 1246, 131189.	1.8	3
2511	Bioactivity and bioaccessibility of phenolic compounds from Brazilian fruit purees. <i>Future Foods</i> , 2021, 4, 100066.	2.4	24
2512	Controlling <i>Listeria monocytogenes</i> in ready-to-eat leafy greens by amphipathic α -helix peptide zp80 and its antimicrobial mechanisms. <i>LWT - Food Science and Technology</i> , 2021, 152, 112412.	2.5	4
2513	Rainfall facilitates the transmission and proliferation of antibiotic resistance genes from ambient air to soil. <i>Science of the Total Environment</i> , 2021, 799, 149260.	3.9	22
2514	Antibacterial and antibiofilm efficacy of Ag NPs, Ni NPs and Al ₂ O ₃ NPs singly and in combination against multidrug-resistant <i>Klebsiella pneumoniae</i> isolates. <i>Journal of Trace Elements in Medicine and Biology</i> , 2021, 68, 126840.	1.5	14
2515	Structural characterization, theoretical and antibacterial study of a V-shaped, cyclohexane bridged ONNO Schiff base. <i>Journal of Molecular Structure</i> , 2022, 1248, 131489.	1.8	4
2516	Evaluation of <i>Staphylococcus aureus</i> Antibiotic Tolerance Using Kill Curve Assays. <i>Methods in Molecular Biology</i> , 2021, 2341, 45-54.	0.4	0
2517	Nanoencapsulation (in vitro and in vivo) as an efficient technology to boost the potential of garlic essential oil as alternatives for antibiotics in broiler nutrition. <i>Animal</i> , 2021, 15, 100022.	1.3	29

#	ARTICLE	IF	CITATIONS
2518	Antibiofilm peptides as a promising strategy: comparative research. <i>Applied Microbiology and Biotechnology</i> , 2021, 105, 1647-1656.	1.7	12
2519	Cell wall distraction and biofilm inhibition of marine <i>Streptomyces</i> derived angucycline in methicillin resistant <i>Staphylococcus aureus</i> . <i>Microbial Pathogenesis</i> , 2021, 150, 104712.	1.3	10
2520	Sulforaphane promotes <i>C. elegans</i> longevity and healthspan via DAF-16/DAF-2 insulin/IGF-1 signaling. <i>Aging</i> , 2021, 13, 1649-1670.	1.4	31
2521	Counting Chromosomes in Individual Bacteria to Quantify Their Impacts on Persistence. <i>Methods in Molecular Biology</i> , 2021, 2357, 125-146.	0.4	0
2522	Synthesis and biological activities of novel pyrrolo[1,2-d][1,2,4]triazin-1(2H)-one derivatives. <i>Synthetic Communications</i> , 0, , 1-14.	1.1	0
2523	Testing, characterization and regulations of antimicrobial textiles. , 2021, , 485-511.		4
2524	Metathramycin, a new bioactive aureolic acid discovered by heterologous expression of a metagenome derived biosynthetic pathway. <i>RSC Chemical Biology</i> , 2021, 2, 556-567.	2.0	11
2525	Genomic diversity of <i>Escherichia coli</i> isolates from backyard chickens and guinea fowl in the Gambia. <i>Microbial Genomics</i> , 2021, 7, .	1.0	13
2526	Cationic Glycosylated Block Co- β^2 -peptide Acts on the Cell Wall of Gram-Positive Bacteria as Anti-biofilm Agents. <i>ACS Applied Bio Materials</i> , 2021, 4, 3749-3761.	2.3	8
2527	Comparative Metabolomics Revealing the Metabolic Responses of Pathogenic Bacteria to Different Antibiotics. <i>Methods in Molecular Biology</i> , 2021, 2296, 367-380.	0.4	1
2528	Evaluation of Antibacterial Activity of Magainin and Mastoparan and Its Novel Hybrid Against MDR <i>E. coli</i> Isolates of Neonatal Calves. <i>International Journal of Peptide Research and Therapeutics</i> , 2021, 27, 1111-1119.	0.9	8
2529	The Use of Experimental Evolution to Study the Response of <i>Pseudomonas aeruginosa</i> to Single or Double Antibiotic Treatment. <i>Methods in Molecular Biology</i> , 2021, 2357, 177-194.	0.4	1
2530	Review on Silver Nanoparticles as a Novel Class of Antibacterial Solutions. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 1120.	1.3	94
2531	Synthesis, biological evaluation and molecular docking studies of novel quinuclidinone derivatives as potential antimicrobial and anticonvulsant agents. <i>Medicinal Chemistry Research</i> , 2017, 26, 2088-2104.	1.1	7
2532	A novel intervention on the inhibiting effects of <i>Catunaregam spinosa</i> induced free radical formation and DNA damage in <i>Aedes aegypti</i> (Diptera: Culicidae): a verdict for new perspectives on microorganism targeted vector control approach. <i>International Journal of Tropical Insect Science</i> , 2020, 40, 989-1002.	0.4	7
2533	Wheat germ agglutinin and <i>Lens culinaris</i> agglutinin sensitized anisotropic silver nanoparticles in detection of bacteria: A simple photometric assay. <i>Analytica Chimica Acta</i> , 2017, 981, 80-85.	2.6	19
2534	EcDBS1R6: A novel cationic antimicrobial peptide derived from a signal peptide sequence. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2020, 1864, 129633.	1.1	12
2535	Analogs of nitrofurantoin antibiotics are potent GroEL/ES inhibitor pro-drugs. <i>Bioorganic and Medicinal Chemistry</i> , 2020, 28, 115710.	1.4	10

#	ARTICLE	IF	CITATIONS
2536	Mechanism of the antimicrobial activity of whey protein- β -polylysine complexes against <i>Escherichia coli</i> and its application in sauced duck products. <i>International Journal of Food Microbiology</i> , 2020, 328, 108663.	2.1	34
2537	Antimicrobial peptide Temporin-L complexed with anionic cyclodextrins results in a potent and safe agent against sessile bacteria. <i>International Journal of Pharmaceutics</i> , 2020, 584, 119437.	2.6	19
2538	Tea polyphenols inhibits biofilm formation, attenuates the quorum sensing-controlled virulence and enhances resistance to <i>Klebsiella pneumoniae</i> infection in <i>Caenorhabditis elegans</i> model. <i>Microbial Pathogenesis</i> , 2020, 147, 104266.	1.3	17
2539	High cell-density fermentation, expression and purification of bacteriophage lysin TSPphg, a thermostable antimicrobial protein from extremophilic <i>Thermus</i> bacteriophage TSP4. <i>Protein Expression and Purification</i> , 2020, 174, 105676.	0.6	5
2540	Peptide-Ruthenium Conjugate as an Efficient Photosensitizer for the Inactivation of Multidrug-Resistant Bacteria. <i>Inorganic Chemistry</i> , 2020, 59, 14866-14870.	1.9	29
2541	Cyanuric Chloride-Based Reactive Dyes for Use in the Antimicrobial Treatments of Polymeric Materials. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 1524-1534.	4.0	7
2542	Systemic infection facilitates transmission of <i>Pseudomonas aeruginosa</i> in mice. <i>Nature Communications</i> , 2020, 11, 543.	5.8	34
2543	Chapter 1. Antimicrobial Materials—An Overview. <i>Biomaterials Science Series</i> , 2019, , 1-37.	0.1	25
2544	Development of mechanism-based antibacterial synergy between Fmoc-phenylalanine hydrogel and aztreonam. <i>Biomaterials Science</i> , 2020, 8, 1996-2006.	2.6	20
2545	A novel antimicrobial polymer efficiently treats multidrug-resistant MRSA-induced bloodstream infection. <i>Bioscience Reports</i> , 2019, 39, .	1.1	12
2546	Encapsulated virgin coconut oil as a nanoscale in vitro solution against multiple drug resistant <i>Staphylococcus aureus</i> . <i>Micro and Nano Letters</i> , 2021, 16, 9-15.	0.6	3
2547	Designer broad-spectrum polyimidazolium antibiotics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 31376-31385.	3.3	31
2548	Glyphosate escalates horizontal transfer of conjugative plasmid harboring antibiotic resistance genes. <i>Bioengineered</i> , 2021, 12, 63-69.	1.4	22
2549	In vitro activity of colistin in antimicrobial combination against carbapenem-resistant <i>Acinetobacter baumannii</i> isolated from patients with ventilator-associated pneumonia in Vietnam. <i>Journal of Medical Microbiology</i> , 2015, 64, 1162-1169.	0.7	30
2550	Temporal flux in β -lactam resistance among <i>Klebsiella pneumoniae</i> in Western Australia. <i>Journal of Medical Microbiology</i> , 2016, 65, 429-437.	0.7	13
2551	Guar gum as a new antimicrobial peptide delivery system against diabetic foot ulcers <i>Staphylococcus aureus</i> isolates. <i>Journal of Medical Microbiology</i> , 2016, 65, 1092-1099.	0.7	31
2552	Comparison of susceptibility testing methods for determining the activity of colistin against Gram-negative bacilli of clinical origin. <i>Journal of Medical Microbiology</i> , 2019, 68, 60-66.	0.7	6
2553	Genomic diversity of <i>Escherichia coli</i> isolates from non-human primates in the Gambia. <i>Microbial Genomics</i> , 2020, 6, .	1.0	12

#	ARTICLE	IF	CITATIONS
2554	Novel heterologous bacterial system reveals enhanced susceptibility to DNA damage mediated by yqgF, a nearly ubiquitous and often essential gene. <i>Microbiology (United Kingdom)</i> , 2016, 162, 1808-1821.	0.7	4
2555	Cinnamaldehyde disrupts biofilm formation and swarming motility of <i>Pseudomonas aeruginosa</i> . <i>Microbiology (United Kingdom)</i> , 2018, 164, 1087-1097.	0.7	46
2556	The general stress response of <i>Staphylococcus aureus</i> promotes tolerance of antibiotics and survival in whole human blood. <i>Microbiology (United Kingdom)</i> , 2020, 166, 1088-1094.	0.7	17
2576	An Engineered Double Lipid II Binding Motifs-Containing Lantibiotic Displays Potent and Selective Antimicrobial Activity against <i>Enterococcus faecium</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2020, 64, .	1.4	31
2577	Prospecting the antimicrobial and antibiofilm potential of <i>Chaetomium globosum</i> an endophytic fungus from <i>Moringa oleifera</i> . <i>AMB Express</i> , 2020, 10, 206.	1.4	21
2578	Antimicrobial Peptides. , 2009, , 357-401.		2
2579	Antimicrobial activity of <i>Rosmarinus eriocalyx</i> essential oil and polyphenols: An endemic medicinal plant from Algeria. <i>Journal of Coastal Life Medicine</i> , 2016, 4, 39-44.	0.2	10
2580	The Determination of Antibiotic Resistance of <i>Helicobacter Pylori</i> Isolated from Patients Living in North of Iran (Sari). <i>Universal Journal of Microbiology Research</i> , 2016, 4, 6-10.	0.3	6
2581	P1 Ref Endonuclease: A Molecular Mechanism for Phage-Enhanced Antibiotic Lethality. <i>PLoS Genetics</i> , 2016, 12, e1005797.	1.5	24
2582	A Real-Time PCR Antibiofilm for Drug-Resistant Sepsis. <i>PLoS ONE</i> , 2011, 6, e28528.	1.1	44
2583	Thioridazine Induces Major Changes in Global Gene Expression and Cell Wall Composition in Methicillin-Resistant <i>Staphylococcus aureus</i> USA300. <i>PLoS ONE</i> , 2013, 8, e64518.	1.1	44
2584	Treatment of Oral Multispecies Biofilms by an Anti-Biofilm Peptide. <i>PLoS ONE</i> , 2015, 10, e0132512.	1.1	65
2585	Assessments of Thioridazine as a Helper Compound to Dicloxacillin against Methicillin-Resistant <i>Staphylococcus aureus</i> : In Vivo Trials in a Mouse Peritonitis Model. <i>PLoS ONE</i> , 2015, 10, e0135571.	1.1	11
2586	Rational Design of a Carrier Protein for the Production of Recombinant Toxic Peptides in <i>Escherichia coli</i> . <i>PLoS ONE</i> , 2016, 11, e0146552.	1.1	39
2587	Ethyl Pyruvate: An Anti-Microbial Agent that Selectively Targets Pathobionts and Biofilms. <i>PLoS ONE</i> , 2016, 11, e0162919.	1.1	10
2588	A novel small RNA is important for biofilm formation and pathogenicity in <i>Pseudomonas aeruginosa</i> . <i>PLoS ONE</i> , 2017, 12, e0182582.	1.1	25
2589	Identification and characterization of novel cecropins from the Oxysternon conspicillatum neotropic dung beetle. <i>PLoS ONE</i> , 2017, 12, e0187914.	1.1	18
2590	Impact of subinhibitory concentrations of metronidazole on proteome of <i>Clostridioides difficile</i> strains with different levels of susceptibility. <i>PLoS ONE</i> , 2020, 15, e0241903.	1.1	8

#	ARTICLE	IF	CITATIONS
2591	IDENTIFICATION AND MOLECULAR CHARACTERISATION OF ESBL PRODUCING UROPATHOGENIC ESCHERICHIA COLI STRAINS ISOLATED FROM A TERTIARY CARE HOSPITAL OF TRIPURA. Journal of Evolution of Medical and Dental Sciences, 2018, 7, 2829-2833.	0.1	4
2592	Determination of total phenolic content, antioxidant activity and antifungal effects of <i>Thymus vulgaris</i> , <i>Trachyspermum ammi</i> and <i>Trigonella foenum-graecum</i> extracts on growth of <i>Fusarium solani</i> . Cellular and Molecular Biology, 2018, 64, 39-46.	0.3	6
2593	Resistant/susceptible classification of respiratory tract pathogenic bacteria based on volatile organic compounds profiling. Cellular and Molecular Biology, 2018, 64, 6-15.	0.3	10
2594	<i>Elaeocarpus floribundus</i> Bl. seeds as a new source of bioactive compounds with promising antioxidant and antimicrobial properties. Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 2021, 76, 141-146.	0.6	4
2595	Characterization and application of <i>Lippia alba</i> (Mill) and <i>Cymbopogon citratus</i> D.C. Stapf. essential oils as natural sanitizers in coriander. Food Science and Technology, 2019, 39, 993-998.	0.8	5
2596	Antimicrobial activity of actinomycetes and characterization of actinomycin-producing strain KRG-1 isolated from Karoo, South Africa. Brazilian Journal of Pharmaceutical Sciences, 0, 55, .	1.2	12
2597	The Anti- <i>Staphylococcus aureus</i> Effect of Combined <i>Echinophora platyloba</i> Essential Oil and Liquid Smoke in Beef. Food Technology and Biotechnology, 2017, 55, 117-124.	0.9	15
2598	Analysis of antibacterial and antibiofilm activity of purified recombinant Azurin from <i>Pseudomonas aeruginosa</i> . Iranian Journal of Microbiology, 0, , .	0.8	14
2599	In vitro and In vivo Antibacterial and Anti-inflammatory Properties of Linalool. International Journal of Current Microbiology and Applied Sciences, 2020, 9, 1481-1489.	0.0	10
2600	<p><pre>Prevalence and Some Possible Mechanisms of Colistin Resistance Among Multidrug-Resistant and Extensively Drug-Resistant <pre></pre></pre>. Infection and Drug Resistance, 2020, Volume 13, 323-332.	1.1	63
2601	Identification of N-Substituted Triazolo-azetidines as Novel Antibacterials using pDualrep2 HTS Platform. Combinatorial Chemistry and High Throughput Screening, 2019, 22, 346-354.	0.6	3
2602	Substituted Furanocoumarins as Novel Class of Antibacterial Translation Inhibitors. Combinatorial Chemistry and High Throughput Screening, 2019, 22, 400-410.	0.6	1
2603	In Vitro Study of Antimicrobial Activity of <i>Acalypha Indica</i> Linn. Extract. The Open Conference Proceedings Journal, 2013, 4, 57-60.	0.6	5
2604	Preparation and Evaluation of the Antibacterial Effect of Magnetic Nanoparticles Containing Gentamicin: A Preliminary In vitro Study. Iranian Journal of Biotechnology, 2018, 16, 287-293.	0.3	10
2605	Antimicrobial activity of endophytic fungus <i>Fusarium</i> sp. isolated from medicinal honeysuckle plant. Archives of Biological Sciences, 2016, 68, 25-30.	0.2	9
2606	Evaluation of the antibacterial activities of selected medicinal plants and determination of their phenolic constituents. ScienceAsia, 2013, 39, 591.	0.2	6
2607	çœ¼é•œçŽ›è†šè,½OH-CATH30ã¼ã½œã,æ½œãœ”ã€™éœ%œ•ç%œ©ã¼†ãœœ»ã¼ãŠœèèœ. Zoological Research, 2018, 39, 87-96.		
2608	Investigation of The Effectiveness of Some Plant Compounds and Essential Oils of <i>Corymbia Citriodora</i> Against Foodborne Pathogens. Turkish Journal of Agriculture: Food Science and Technology, 2016, 4, 968.	0.1	1

#	ARTICLE	IF	CITATIONS
2609	Melissa officinalis Essential Oil: Chemical Compositions, Antioxidant Potential, Total Phenolic Content and Antimicrobial Activity. Nutrition and Food Sciences Research, 2019, 6, 17-25.	0.3	17
2610	BrevicidineB, a New Member of the Brevicidine Family, Displays an Extended Target Specificity. Frontiers in Microbiology, 2021, 12, 693117.	1.5	22
2611	Synthesis and Bioactivity of Thiosemicarbazones Containing Adamantane Skeletons. Molecules, 2020, 25, 324.	1.7	25
2612	Graphene Decorated Zinc Oxide and Curcumin to Disinfect the Methicillin-Resistant Staphylococcus aureus. Nanomaterials, 2020, 10, 1004.	1.9	25
2613	The Antifungal Activity of Bee Venom against Dermatophytes. Journal of Applied Biological Chemistry, 2012, 55, 7-11.	0.2	22
2614	High Prevalence of Quinolone Resistance Genes in Citrobacter freundii Isolated from Pet Turtles. Asian Journal of Animal and Veterinary Advances, 2017, 12, 212-217.	0.3	2
2615	Antibacterial Activity of Some Iranian Medicinal Plants Against Important Human Pathogens. Asian Journal of Biological Sciences, 2013, 6, 331-339.	0.2	1
2616	Influence of Plant Maturity on Antimicrobial Properties and Toxicity of Celosia argentea. Journal of Biological Sciences, 2019, 19, 280-289.	0.1	2
2617	Antimicrobial Activities of Centella asiatica Leaf and Root Extracts on Selected Pathogenic Micro-organisms. Journal of Medical Sciences (Faisalabad, Pakistan), 2018, 18, 198-204.	0.0	12
2618	Inhibition of Pseudomonas aeruginosa biofilm formation and motilities by human serum paraoxonase (hPON1). AIMS Microbiology, 2016, 2, 388-401.	1.0	4
2619	Tamarix arabica and Salvadora persica as antibacterial agents. AIMS Microbiology, 2020, 6, 121-143.	1.0	1
2620	Wound healing and antimicrobial activity of two classical formulations of Laghupanchamula in rats. Journal of Ayurveda and Integrative Medicine, 2015, 6, 241.	0.9	6
2621	Evaluation of biofilm removal activity of Quercus infectoria galls against Streptococcus mutans. Dental Research Journal, 2016, 13, 46.	0.2	9
2622	Improvement of citral antimicrobial activity by incorporation into nanostructured lipid carriers: A potential application in food stuffs as a natural preservative. Research in Pharmaceutical Sciences, 2017, 12, 409.	0.6	36
2623	Docking study, synthesis and antimicrobial evaluation of some novel 4-anilinoquinazoline derivatives. Research in Pharmaceutical Sciences, 2017, 12, 425.	0.6	24
2624	Synthesis, antimicrobial evaluation and docking studies of some novel quinazolinone Schiff base derivatives. Research in Pharmaceutical Sciences, 2018, 13, 213.	0.6	23
2625	Use of succinic & oxalic acid in reducing the dosage of colistin against New Delhi metallo- β -lactamase-1 bacteria. Indian Journal of Medical Research, 2018, 147, 97.	0.4	20
2626	Antimicrobial efficacy of two mouthrinses against Candida albicans: An in vitro study. Journal of Pharmacy and Bioallied Sciences, 2019, 11, 293.	0.2	3

#	ARTICLE	IF	CITATIONS
2627	Antimicrobial Activity of Bimetallic Cu/Pd Nanofluids. Journal of Advanced Chemical Engineering, 2016, 06, .	0.1	4
2628	Novel Electrical Method for the Rapid Determination of Minimum Inhibitory Concentration (MIC) and Assay of Bactericidal/Bacteriostatic Activity. Journal of Biosensors & Bioelectronics, 2013, 04, .	0.4	7
2629	Impact of Antibacterial Activity of Physical Storage Extracts on Pathogenic Bacteria. Journal of Biosciences and Medicines, 2016, 04, 54-62.	0.1	3
2630	<i>In Vitro</i> Antimicrobial and Antioxidant Activity of Biogenically Synthesized Palladium and Platinum Nanoparticles Using <i>Botryococcus braunii</i> . Turkish Journal of Pharmaceutical Sciences, 2020, 17, 299-306.	0.6	38
2631	Antimicrobial susceptibility pattern of <i>Stenotrophomonas</i> species isolated from Mexico. African Health Sciences, 2020, 20, 168-181.	0.3	9
2632	Antibacterial efficacy of ethanolic extract of <i>Camellia sinensis</i> and <i>Azadirachta indica</i> leaves on methicillin-resistant <i>Staphylococcus aureus</i> and shiga-toxicogenic <i>Escherichia coli</i> . Journal of Advanced Veterinary and Animal Research, 2019, 6, 247.	0.5	12
2633	Starvation- and antibiotics-induced formation of persister cells in <i>Pseudomonas aeruginosa</i> . Biomedical Papers of the Medical Faculty of the University Palacký, Olomouc, Czechoslovakia, 2017, 161, 58-67.	0.2	14
2634	Antimicrobial, Antibiotic Resistance Modulation and Cytotoxicity Studies of Different Extracts of <i>Pupalia lappacea</i> . Pharmacologia, 2015, 6, 244-257.	0.3	4
2635	Pt(II) complex of Schiff base derived from L-phenylalanine and furfuraldehyde in the presence of 8-hydroxyquinoline: Structural analysis, composition of complex and biological activity. Comptes Rendus Chimie, 2020, 23, 127-142.	0.2	1
2636	Investigation of the Chemical Composition and Different Effects of a <i>Rumex dentatus</i> Methanol Extract Against Drug Resistant <i>Pseudomonas aeruginosa</i> Isolates. Iranian Red Crescent Medical Journal, 2016, 18, .	0.5	2
2637	Molecular Epidemiology of Extended-Spectrum Beta-Lactamase-Producing <i>Klebsiella pneumoniae</i> Strains Isolated from Children with Urinary Tract Infections. Archives of Pediatric Infectious Diseases, 2016, 5, .	0.1	3
2638	Synthesis, Characterization, In-Vitro Antimicrobial and Antioxidant Activities of Co ⁺² , Ni ⁺² , Cu ⁺² and Zn ⁺² Complexes of 3-(2-(2-hydroxy- 3-methoxybenzylidene)hydrazono)indolin-2-one. Journal of Basic & Applied Sciences, 0, 11, 125-130.	0.8	8
2639	A comparative study of antibacterial and antifungal activities of extracts from four indigenous plants. Bioinformation, 2020, 16, 267-273.	0.2	5
2640	Antimicrobial effects of three essential oils on multidrug resistant bacteria responsible for urinary infections. Journal of Applied Pharmaceutical Science, 0, , .	0.7	2
2641	Structural basis for the inhibition of RecBCD by Gam and its synergistic antibacterial effect with quinolones. ELife, 2016, 5, .	2.8	50
2642	Heterogeneous absorption of antimicrobial peptide LL37 in <i>Escherichia coli</i> cells enhances population survivability. ELife, 2018, 7, .	2.8	59
2643	Antibacterial activity of human defensins against <i>Staphylococcus aureus</i> and <i>Escherichia coli</i> . PeerJ, 2020, 8, e10455.	0.9	16
2644	Antimicrobial activity of <i>Streptomyces</i> spp. isolated from <i>Apis dorsata</i> combs against some phytopathogenic bacteria. PeerJ, 2020, 8, e10512.	0.9	10

#	ARTICLE	IF	CITATIONS
2645	Influence of CNTRENE [®] C100LM carbon nanotube material on the growth and regulation of <i>Escherichia coli</i> . PeerJ, 2017, 5, e3721.	0.9	7
2646	Analysis of adult damselfly fecal material aids in the estimation of antibiotic-resistant <i>Enterobacterales</i> contamination of the local environment. PeerJ, 2018, 6, e5755.	0.9	1
2647	Antibacterial Effects of Garlic Extracts and Ziziphora Essential Oil on Bacteria Associated with Peri-Implantitis. Journal of Clinical and Diagnostic Research JCDR, 2017, 11, ZC16-ZC19.	0.8	7
2648	Antimicrobial and Antioxidant Activity of Some Plant Extracts against Different Food Spoilage and Pathogenic Microbes. European Journal of Nutrition & Food Safety, 0, , 1-12.	0.2	3
2649	New Methionine-based P-toluenesulphonamoyl Carboxamide Derivatives as Antimicrobial and Antioxidant Agents: Design, Synthesis and Molecular Docking. Journal of Pharmaceutical Research International, 0, , 1-12.	1.0	6
2650	Cl415, a carbapenem-resistant <i>Acinetobacter baumannii</i> isolate containing four AbaR4 and a new variant of AbGR12, represents a novel global clone 2 strain. Journal of Antimicrobial Chemotherapy, 2022, 77, 345-350.	1.3	6
2651	Antimicrobial Activities of Cu(II), In(III), and Sb(III) Complexes of N-Methyl-N-Phenyl Dithiocarbamate Complexes. SSRN Electronic Journal, 0, , .	0.4	0
2653	Pangenomic and functional investigations for dormancy and biodegradation features of an organic pollutant-degrading bacterium <i>Rhodococcus biphenylivorans</i> TC9. Science of the Total Environment, 2022, 809, 151141.	3.9	10
2654	Mini-review: Recent advances in imaging-based rapid antibiotic susceptibility testing. Sensors and Actuators Reports, 2021, 3, 100053.	2.3	8
2655	Combination of Pseudo-LC-NMR and HRMS/MS-Based Molecular Networking for the Rapid Identification of Antimicrobial Metabolites From <i>Fusarium petrophilum</i> . Frontiers in Molecular Biosciences, 2021, 8, 725691.	1.6	4
2656	Therapeutic Potential of Selected Medicinal Plant Extracts against Multi-Drug Resistant <i>Salmonella enterica</i> serovar Typhi. Saudi Journal of Biological Sciences, 2022, 29, 941-954.	1.8	11
2657	Tandem Repeat of a Short Human Chemerin-Derived Peptide and Its Nontoxic Lysine-Containing Enantiomer Display Broad-Spectrum Antimicrobial and Antitubercular Activities. Journal of Medicinal Chemistry, 2021, 64, 15349-15366.	2.9	13
2658	Phlorethin potentiates polymyxin E activity against gram-negative bacteria. Life Sciences, 2021, 287, 120085.	2.0	10
2659	The Role of ¹² C-Glycosylated Wall Teichoic Acids in the Reduction of Vancomycin Susceptibility in Vancomycin-Intermediate <i>Staphylococcus aureus</i> . Microbiology Spectrum, 2021, 9, e0052821.	1.2	12
2660	A biorefinery approach towards valorization of spent coffee ground: Extraction of the oil by supercritical carbon dioxide and utilizing the defatted spent in formulating functional cookies. Future Foods, 2021, 4, 100090.	2.4	16
2662	A Novel Antimicrobial Peptide Spamosin2654 From the Mud Crab <i>Scylla paramamosain</i> Showing Potent Antifungal Activity Against <i>Cryptococcus neoformans</i> . Frontiers in Microbiology, 2021, 12, 746006.	1.5	13
2663	Cultivable bacterial community at a fresh water nullah contaminated with household sewage and industrial waste is more diverse and populated compared to non-polluted water. Canadian Journal of Soil Science, 0, , .	0.5	0
2664	Identification and Functional Analysis of Cytokine-Like Protein CLEC-47 in <i>Caenorhabditis elegans</i> . MBio, 2021, 12, e0257921.	1.8	2

#	ARTICLE	IF	CITATIONS
2665	Synergistic Catalytic Effect of the Combination of Deep Eutectic Solvents and Hierarchical H-TiO ₂ Nanoparticles toward the Synthesis of Benzimidazole-Linked Pyrrolidin-2-One Heterocycles: Boosting Reaction Yield. <i>Polycyclic Aromatic Compounds</i> , 2022, 42, 6868-6882.	1.4	4
2666	Phenotypic Switching of <i>Staphylococcus aureus</i> Mu50 Into a Large Colony Variant Enhances Heritable Resistance Against β -Lactam Antibiotics. <i>Frontiers in Microbiology</i> , 2021, 12, 709841.	1.5	1
2667	Improved chromium tolerance of <i>Medicago sativa</i> by plant growth-promoting rhizobacteria (PGPR). <i>Journal of Genetic Engineering and Biotechnology</i> , 2021, 19, 149.	1.5	52
2668	Genomic and Phenotypic Evaluation of Potential Probiotic <i>Pediococcus</i> Strains with Hypocholesterolemic Effect Isolated from Traditional Fermented Food. <i>Probiotics and Antimicrobial Proteins</i> , 2022, 14, 1042-1053.	1.9	2
2669	Anti-biofouling efficacy of three home and personal care product preservatives: <i>Pseudomonas aeruginosa</i> biofilm inhibition and prevention. <i>Biofouling</i> , 2021, 37, 879-893.	0.8	3
2670	Antimicrobial and Anticorrosion Activity of a Novel Composite Biocide against Mixed Bacterial Strains in Taiwanese Marine Environments. <i>Materials</i> , 2021, 14, 6156.	1.3	4
2671	Characterization and Inhibition of 1-Deoxy-Xylulose 5-Phosphate Reductoisomerase: A Promising Drug Target in <i>Acinetobacter baumannii</i> and <i>Klebsiella pneumoniae</i> . <i>ACS Infectious Diseases</i> , 2021, 7, 2987-2998.	1.8	7
2672	Time- and tissue-specific antimicrobial activity of the common bed bug in response to blood feeding and immune activation by bacterial injection. <i>Journal of Insect Physiology</i> , 2021, 135, 104322.	0.9	3
2673	Quantitative biology of survival under antibiotic treatments. <i>Current Opinion in Microbiology</i> , 2021, 64, 139-145.	2.3	7
2674	Antibacterial activity of ethyl acetate extract of endophytic fungus (<i>Paraconiothyrium brasiliense</i>) through targeting dihydropteroate synthase (DHPS). <i>Process Biochemistry</i> , 2021, 111, 27-35.	1.8	5
2675	Development of a liquid-medium assay for screening antimicrobial natural products against marine bacteria. , 2011, , .		0
2676	æ€ŒŒ—...ç—...âŽŸă1/2“çš,,âŽéªCEâ®æƒæµ«æ—1æ³•. âŽéªCEææ—™â'CEæ—1æ³•, 0, çn2, .	0.0	0
2677	Laboratory Tests for Venereal Diseases. <i>Materials and Methods</i> , 0, 2, .	0.0	0
2678	Structureâ€“Function Relationships of Antimicrobial Chemokines. , 2013, , 183-218.		2
2679	Cardiac beta-defensins upregulate with a high fat diet and influence monocyte migration. <i>Open Journal of Internal Medicine</i> , 2013, 03, 81-94.	0.1	1
2680	SYNTHESIS, ANTIBACTERIAL, AND ANTIFUNGAL EVALUATION OF NOVEL MANNICH BASES CONTAINING OXADIAZOLE AND PYRAZOLE MOIETIES. <i>Journal of Applied Pharmacy</i> , 0, 5, 76-88.	0.1	0
2681	Control of Kimchi Fermentation by the Addition of Natural Antimicrobial Agents Originated from Plants. <i>Korean Journal of Food Science and Technology</i> , 2013, 45, 583-589.	0.0	2
2682	HEPATOPROTECTIVE AND HEPATOCURATIVE EFFECTS OF NABK HONEY IN PENICILLIN-INDUCED HEPATIC TOXICITY. <i>Journal of Pharmaceutical and Scientific Innovation</i> , 2013, 2, 34-40.	0.1	0

#	ARTICLE	IF	CITATIONS
2683	OprD Expression and Imipenem Resistance in <i>Pseudomonas aeruginosa</i> . , 2013, 3, 325-329.		0
2684	Pharmacokinetics of Cefpirome Following Intravenous and Intramuscular Administration in Cow Calves. <i>Science International</i> , 2013, 1, 371-374.	0.4	0
2685	Moderation of Immunopathological Parameters by Pravastatin in <i>Pasteurella multocida</i> (Pm52) Induced Septicaemic Mice. <i>International Journal of Pharmacology</i> , 2013, 9, 513-523.	0.1	2
2686	Comparative analysis of the chemical composition and antimicrobial activities of some of Lamiaceae family species and <i>Eucalyptus</i> (<i>Eucalyptus globules</i> M). <i>Acta Periodica Technologica</i> , 2014, , 201-213.	0.5	0
2687	Physicochemical Characterization and Thermal Properties of Chinese <i>Pinus koraiensis</i> Nut Oil and Bioactive Compounds from Defatted <i>Pinus koraiensis</i> Nuts. <i>SOP Transactions on Analytical Chemistry</i> , 2014, 1, 26-39.	0.0	0
2688	Synthesis, characterization and in vitro antimicrobial evaluation of sulphonyl urea derivatives as potential inhibitors of beta-ketoacyl-acyl carrier protein synthase III (FabH). <i>Acta Universitaria</i> , 2015, 25, 12-21.	0.2	0
2689	Design, Synthesis and Antimicrobial Evaluation of Some Novel Quinoline Derivatives. <i>Pharmacy & Pharmacology International Journal</i> , 2015, 2, .	0.1	2
2690	NghiÃn cá»©u chiáºt xuáºt, kháºo sÃt thÃnh pháºn hÃ³a há»c vÃ bÃºc»c ÁºSu á»©ng dá»ng tinh dáºu trÃm trÃ (Melaleuca) trong sáºn xuáºt nÃºc miá»ng. <i>Tap Chi Khoa Hoc = Journal of Science</i> , 2016, 45, 90.	0.1	1
2691	Sensitivity of Planktonic Aquatic Bacteria to Ciprofloxacin. <i>Advances in Microbiology</i> , 2016, 06, 753-759.	0.3	0
2692	BIOLOGICAL ACTIVITY OF ANTIMICROBIAL PEPTIDES FROM CHICKENS THROMBOCYTES. <i>Zhurnal Mikrobiologii Epidemiologii I Immunobiologii</i> , 2016, , 24-29.	0.3	0
2693	Design, synthesis and molecular docking studies of some morpholine linked thiazolidinone hybrid molecules. <i>European Journal of Chemistry</i> , 2016, 7, 271-279.	0.3	3
2695	Evaluation of the 900 MHz Radiofrequency Radiation Effects on the Antimicrobial Susceptibility and Growth Rate of <i>Klebsiella pneumoniae</i> . <i>Shiraz E Medical Journal</i> , 2017, 18, .	0.1	2
2696	The Use of Synergistically Antiplaque Nanoparticles In Treating Dental Caries. <i>Journal of Dental Health, Oral Disorders & Therapy</i> , 2017, 6, .	0.0	3
2699	A PRELIMINARY STUDY OF THE UTILIZATION OF LIQUID SMOKE FROM PALM KERNEL SHELLS FOR ORGANIC MOUTHWASH. <i>International Journal of GEOMATE</i> , 0, , .	0.1	10
2700	Preliminary Investigation on the Resistance of Some Environmental Bacteria in Yola Metropolis, Adamawa State, Nigeria, to Biocides and Antibiotics. <i>Avicenna Journal of Clinical Microbiology and Infection</i> , 2017, 4, 61825-61825.	0.2	0
2701	Phylogenic Characteristics of a Unique Antagonistic <i>Micromonospora</i> Sp. Rc5 to <i>S. aureus</i> Isolated from Sinai Desert of Egypt. <i>Annual Research & Review in Biology</i> , 2018, 22, 1-15.	0.4	3
2702	A comparative evaluation of antimicrobial efficacy and flow characteristics of two epoxy resin-based sealers-AH plus and Perma Evolution: An in vitro study. <i>Journal of Conservative Dentistry</i> , 2018, 21, 676.	0.3	2
2703	Mutants resistant to nalidixic acid and novobiocin. specific features of formation from <i>E. Coli</i> strains with RecA or LexA mutations. <i>Molekuliarnaia Genetika, Mikrobiologija I Virusologija</i> , 2018, 36, 26.	0.1	0

#	ARTICLE	IF	CITATIONS
2705	Anti-bacterial properties and GC-MS analysis of extracts and essential oils of selected plant product. Biofarmasi Journal of Natural Product Biochemistry, 2018, 16, 44-58.	0.8	1
2708	Evaluation of Antibiotic Resistance Patterns of Clinical Klebsiella pneumoniae Isolates from Educational Hospitals in Zahedan, Iran. Medical Laboratory Journal, 2018, 12, 41-45.	0.1	1
2709	Antimicrobial Features of Cerastoderma and Didacna Double Basins Peptides. International Journal of Enteric Pathogens, 2018, 6, 75-78.	0.2	0
2712	METODE ZA ODREĐIVANJE ANTIMIKROBNE REZISTENCIJE KOD MIKROORGANIZAMA U HRANI. , 2018, 18, .	0.0	0
2714	Potensi Antibakteri dari Ekstrak Etanol Spons Agelas cavernosa. Jurnal Farmasi Dan Ilmu Kefarmasian Indonesia, 2018, 4, 39.	0.0	3
2715	Synthesis and Biological Evaluation of Novel 5,8-Dibromo-2-N-substituted-1,4-Naphthoquinone Derivatives as Potential Antimicrobial Agents. Cumhuriyet Science Journal, 2018, 39, 608-614.	0.1	0
2717	Chitinase-producing <i>Salinivibrio</i> bacteria isolated from salt-fermented shrimp with antimicrobial and safety assessments. Journal of Applied Biological Chemistry, 2018, 61, 233-238.	0.2	3
2721	Antibacterial Effects Of Aqueous Extract Of Onion (<i>Allium Cepa</i>) And Garlic (<i>Allium Sativum</i>) On Some Clinical Bacterial Isolates. Nigerian Journal of Research and Review in Science, 2018, 5, .	0.0	0
2722	Aktif α -Seri β Sodyum dimetilditiyokarbamat Olan Antimikrobiyal Maddenin Antibiyotiklere Dirençli Referans Bakteri Su β lar α na Kar β Minimum α nhibit β r Konsantrasyonlar α n α n Ara β t α r α lmas α . Marmara Fen Bilimleri Dergisi, 0, , .		0
2723	Protocols for Cellular Evaluation of Targeted Drug Delivery Systems for Cancer and Infectious Diseases. AAPS Advances in the Pharmaceutical Sciences Series, 2019, , 523-544.	0.2	0
2724	Trisubstituted Aryl Cyclohexanecarboxylates (TACC): A Simple, New Molecular Scaffold for Antibiotics Design. International Journal of Organic Chemistry, 2019, 09, 142-162.	0.3	0
2725	Evaluation of Antimicrobial, Antioxidant and Cytotoxic Activities of Dialium cochinchinensis Seed Extract. , 2019, 81, .		3
2726	Biocompatible and Biodegradable Chitosan Composites in Wound Healing Application: In Situ Novel Photo-Induced Skin Regeneration Approach. , 2019, , 143-183.		1
2727	In Vitro and In Vivo Models for Cancer and Infectious Diseases. AAPS Advances in the Pharmaceutical Sciences Series, 2019, , 483-519.	0.2	0
2728	Determination of Antibacterial Activity of Artem β sia Abs β nthium L. (Asteraceae) Extracts. , 0, , .		0
2729	Benzimidazol halkas α n α n antimikrobiyal aktivitesine etki eden yap α sal fakt β rlerin disk dif β zyon ve mikrodil β zyon metodu ile ayr α nt α l α incelenmesi. Bal α kesir α eniversitesi Fen Bilimleri Enstit β s β Dergisi, 0, , 1-12.		0
2730	Antifungal Activity of Petroleum Ether and Ethanol Extracts of Moringa Oleifera Seeds. Asian Journal of Applied Sciences, 2019, 7, .	0.2	1
2733	Understanding the adaptive response of Streptomyces coelicolor to the glycopeptide antibiotic teicoplanin. Access Microbiology, 2019, 1, .	0.2	0

#	ARTICLE	IF	CITATIONS
2735	Antimicrobial potential of some wild Macromycetes collected from Kashmir Himalayas. <i>Plant Science Today</i> , 2019, 6, 137-146.	0.4	3
2744	In vitro Study on the Efficacy of Silver Nanoparticles against Metallo-Beta-Lactamase and Biofilm Producing <i>Pseudomonas aeruginosa</i> Isolates. <i>International Journal of Current Microbiology and Applied Sciences</i> , 2019, 8, 2931-2948.	0.0	2
2750	Design, Synthesis, Antimicrobial and Anti-biofilm Evaluation, and Molecular Docking of Newly Substituted Fluoroquinazolinones. <i>Medicinal Chemistry</i> , 2019, 15, 659-675.	0.7	7
2752	Investigation of Antimicrobial Activity of <i>Solanum nigrum</i> and <i>Saponaria officinalis</i> Extracts Against <i>Acinetobacter baumannii</i> . <i>Gene, Cell and Tissue</i> , 2019, 6, .	0.2	0
2753	Characterization of the Antimicrobial Substances Produced by <i>Nibriacter radioresistens</i> . <i>Sains Malaysiana</i> , 2019, 48, 2135-2141.	0.3	0
2754	Evaluating the Antimicrobial Efficacy of an Innovative, Novel Herbal Formulation on Dental Caries and Plaque Microorganisms - A Clinical Research.. <i>Biomedical and Pharmacology Journal</i> , 2019, 12, 1633-1645.	0.2	0
2756	Antibacterial Activity of Alcoholic and Aqueous Extracts of Various Organs of <i>Citrus medica</i> on 10 Human Pathogenic in Vitro. <i>Iranian Journal of Medical Microbiology</i> , 2019, 13, 310-320.	0.1	5
2757	Mass Spectrometry-Based Identification of Urinary Antimicrobial Peptides in Dairy Cows. <i>Protein and Peptide Letters</i> , 2020, 27, 225-235.	0.4	4
2759	Design, Synthesis, Antimicrobial and Antioxidant Activities of Novel Threonine-based Sulfonamide Derivatives. <i>Journal of Pharmaceutical Research International</i> , 0, , 51-61.	1.0	6
2760	Synthesis and Study of Bactericidal Effects of Iron Oxide Nanoparticles on Bacteria Isolated from Urinary Tract Infections. <i>Avicenna Journal of Clinical Medicine</i> , 2020, 27, 37-44.	0.1	2
2761	Rationale design and synthesis of some novel imidazole linked thiazolidinone hybrid molecules as DNA minor groove binders. <i>European Journal of Chemistry</i> , 2020, 11, 120-132.	0.3	1
2762	FARKLI ĀĀĀĀEK BALLARININ ANTĀ°MĀ°KROBĀ°YAL AKTĀ°VĀ°TELERĀ°NĀ°N BELĀ°RLENMESĀ°. <i>Uludag Arıcılık Dergisi</i> , 2020, 20, 38-50.	0.6	2
2765	Antimicrobial and Antioxidant Activities in Ā€BeluntasĀ€™ (<i>Pluchea indica</i>), Turmeric (<i>Curcuma longa</i>) and Their Mixtures. <i>Sains Malaysiana</i> , 2020, 49, 1293-1302.	0.3	1
2766	Evaluation of Antibacterial Properties of Chimeric Bovine Lactoferrin Peptide for Inhibition of Food and Plant Pathogens. <i>International Journal of Infection</i> , 2020, 7, .	0.4	2
2767	BazĀ± 3-imino-4-sĀ¼4bstitĀ¼e-1,2,5-tiroidiyazolidin 1,1-dioksitlerin antibakteriyel etkisi. <i>EskiĀŸehir Teknik Āœniversitesi Bilim Ve Teknoloji Dergisi - C YaĀŸam Bilimleri Ve Biyoteknoloji</i> , 0, , .	0.1	0
2770	Complete Genome Sequence of <i>Stenotrophomonas maltophilia</i> Strain CF13, Recovered from Sputum from an Australian Cystic Fibrosis Patient. <i>Microbiology Resource Announcements</i> , 2020, 9, .	0.3	0
2771	Silatrane-Sulfonamide Hybrids: synthesis, characterization, and evaluation of biological activity. <i>Journal of Organometallic Chemistry</i> , 2021, 957, 122150.	0.8	6
2772	Antibacterial Activity of <i>Thymus vulgaris</i> L. Essential Oil Vapours and Their GC/MS Analysis Using Solid-Phase Microextraction and Syringe Headspace Sampling Techniques. <i>Molecules</i> , 2021, 26, 6553.	1.7	17

#	ARTICLE	IF	CITATIONS
2773	Unpuzzling Friunavirus-Host Interactions One Piece at a Time: Phage Recognizes <i>Acinetobacter pittii</i> via a New K38 Capsule Depolymerase. <i>Antibiotics</i> , 2021, 10, 1304.	1.5	2
2774	Antibacterial Meroterpenoids, Merochlorins Gâ€™J from the Marine Bacterium <i>Streptomyces</i> sp.. <i>Marine Drugs</i> , 2021, 19, 618.	2.2	9
2775	Insight into the Antibacterial Activity of Selected Metal Nanoparticles and Alterations within the Antioxidant Defence System in <i>Escherichia coli</i> , <i>Bacillus cereus</i> and <i>Staphylococcus epidermidis</i> . <i>International Journal of Molecular Sciences</i> , 2021, 22, 11811.	1.8	10
2776	Phenotypic Detection of Hemin-Inducible Trimethoprim-Sulfamethoxazole Heteroresistance in <i>Staphylococcus aureus</i> . <i>Microbiology Spectrum</i> , 2021, 9, e0151021.	1.2	2
2777	A personalised approach to antibiotic pharmacokinetics and pharmacodynamics in critically ill patients. <i>Anaesthesia, Critical Care & Pain Medicine</i> , 2021, 40, 100970.	0.6	21
2778	Double-Layer Agar (DLA) Modifications for the First Step of the Phage-Antibiotic Synergy (PAS) Identification. <i>Antibiotics</i> , 2021, 10, 1306.	1.5	12
2779	Submicron-Sized Vermiculite Assisted Oregano Oil for Controlled Release and Long-Term Bacterial Inhibition. <i>Antibiotics</i> , 2021, 10, 1324.	1.5	1
2780	Colistin resistance in <i>Escherichia coli</i> confers protection of the cytoplasmic but not outer membrane from the polymyxin antibiotic. <i>Microbiology (United Kingdom)</i> , 2021, 167, .	0.7	15
2781	Antimicrobial properties of <i>Cnestis ferruginea</i> Vahl ex DC. <i>Heliyon</i> , 2021, 7, e08266.	1.4	3
2782	Benzalkonium chloride antagonises aminoglycoside antibiotics and promotes evolution of resistance. <i>EBioMedicine</i> , 2021, 73, 103653.	2.7	29
2784	Variation in surface properties, metabolic capping, and antibacterial activity of biosynthesized silver nanoparticles: comparison of bio-fabrication potential in phytohormone-regulated cell cultures and naturally grown plants. <i>RSC Advances</i> , 2020, 10, 38831-38840.	1.7	9
2785	Molecular Characterization of Multiple Antibiotic-Resistant <i>Acinetobacter baumannii</i> Isolated from Egyptian Patients. <i>Journal of Pure and Applied Microbiology</i> , 2020, 14, 2399-2405.	0.3	1
2787	Targeting bioenergetics is key to counteracting the drug-tolerant state of biofilm-grown bacteria. <i>PLoS Pathogens</i> , 2020, 16, e1009126.	2.1	13
2788	Design, synthesis, and molecular docking of cysteine-based sulphonamide derivatives as antimicrobial agents. <i>Research in Pharmaceutical Sciences</i> , 2022, 17, 99.	0.6	9
2789	Antimicrobial Sensitivity Assay for <i>Bdellovibrio bacteriovorus</i> . <i>Bio-protocol</i> , 2020, 10, e3865.	0.2	0
2790	Mimicry of Non-Ribosomally Produced Antimicrobials by Ribosomal Synthesis and Posttranslational Modification. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
2791	Efficacy of Savory Essential Oil Utilization in Conventional and Encapsulated Forms on Performance of Broiler Chickens. <i>Brazilian Journal of Poultry Science</i> , 2020, 22, .	0.3	3
2793	Hemoglobin Reassembly of Antimicrobial Fragments from the Midgut of <i>Triatoma infestans</i> . <i>Biomolecules</i> , 2020, 10, 261.	1.8	1

#	ARTICLE	IF	CITATIONS
2796	Propolis Extract: A Possible Antiseptic Oral Care against Multidrug-Resistant Non-Fermenting Bacteria Isolated from Non-Ventilator Hospital-Acquired Pneumonia. <i>Journal of Pure and Applied Microbiology</i> , 2020, 14, 123-131.	0.3	4
2798	Effect of physicochemical properties and phenolic compounds of bifloral propolis on antioxidant and antimicrobial capacity. <i>Nova Scientia</i> , 2020, 12, .	0.0	3
2801	Three New Metabolites From the Marine-Derived Fungus <i>Aspergillus</i> sp. WHUF03110. <i>Natural Product Communications</i> , 2021, 16, 1934578X2110550.	0.2	3
2802	Designing a short, potent, pore-forming antimicrobial peptide. <i>Materials Today: Proceedings</i> , 2021, , .	0.9	1
2803	Generation and Characterization of Novel Bioactive Peptides from Fish and Beef Hydrolysates. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 10452.	1.3	5
2804	Evaluation of Antimicrobial Activity of <i>Conyza bonariensis</i> Leaf Extracts against Clinically Isolated Fungi Causing Superficial Infection. <i>Journal of Chemistry</i> , 2021, 2021, 1-8.	0.9	1
2805	Current Advances in Lipid and Polymeric Antimicrobial Peptide Delivery Systems and Coatings for the Prevention and Treatment of Bacterial Infections. <i>Pharmaceutics</i> , 2021, 13, 1840.	2.0	36
2806	Adhesive Antimicrobial Peptides Containing 3,4-Dihydroxy-L-Phenylalanine Residues for Direct One-Step Surface Coating. <i>International Journal of Molecular Sciences</i> , 2021, 22, 11915.	1.8	8
2807	Resazurin rapid screening for antibacterial activities of organic and inorganic nanoparticles: Potential, limitations and precautions. <i>Analytical Biochemistry</i> , 2022, 637, 114449.	1.1	20
2808	In vitro activity of the antimicrobial peptides h-Lf1-11, MSI-78, LL-37, fengycin 2B, and magainin-2 against clinically important bacteria. <i>Brazilian Journal of Microbiology</i> , 2022, 53, 171-177.	0.8	8
2809	Gut-Kidney Axis on Chip for Studying Effects of Antibiotics on Risk of Hemolytic Uremic Syndrome by Shiga Toxin-Producing <i>Escherichia coli</i> . <i>Toxins</i> , 2021, 13, 775.	1.5	14
2810	Synthesis, Characterization and Antimicrobial Activity Evaluation of the Polybenzimidazole Derivatives with Different Dicarboxylic Acid Moieties. <i>Letters in Organic Chemistry</i> , 2020, 17, 539-547.	0.2	0
2812	<i>Lobelia trigona</i> Roxb.-based nanomedicine with enhanced biological applications: in vitro and in vivo approach. <i>IET Nanobiotechnology</i> , 2020, 14, 739-748.	1.9	5
2814	The Antibacterial Activity and Phytochemical Compounds of <i>Citrus grandis</i> Extract Against Human Infective Bacteria. <i>Journal of Kermanshah University of Medical Sciences</i> , 2020, 24, .	0.1	1
2815	Application of <i>Lantana camara</i> Flower Extract as a Natural Coloring Agent with Preservative Action. <i>Asian Journal of Biological Sciences</i> , 2020, 13, 361-369.	0.2	5
2820	Development and Characterization of Polymeric Peptides for Antibody Tagging of Bacterial Targets. <i>Protein and Peptide Letters</i> , 2020, 27, 962-970.	0.4	0
2821	Phytochemical characterization, antimicrobial activity and reducing potential of seed oil, latex, machine oil and presscake of <i>Jatropha curcas</i> . <i>Avicenna Journal of Phytomedicine</i> , 2016, 6, 366-75.	0.1	11
2822	Antimicrobial and enzymatic activity of actinomycetes isolated from soils of coastal islands. <i>Journal of Advanced Pharmaceutical Technology and Research</i> , 2017, 8, 46-51.	0.4	7

#	ARTICLE	IF	CITATIONS
2823	Analysis of antibacterial and antibiofilm activity of purified recombinant Azurin from. Iranian Journal of Microbiology, 2019, 11, 166-176.	0.8	7
2824	Antimicrobial activities of Cu(II), In(III), and Sb(III) complexes of N-methyl-N-phenyl dithiocarbamate complexes. Results in Chemistry, 2021, 3, 100241.	0.9	7
2825	Risks of antibiotic resistance genes and antimicrobial resistance under chlorination disinfection with public health concerns. Environment International, 2022, 158, 106978.	4.8	39
2826	Rationally designed foldameric adjuvants enhance antibiotic efficacy <i>via</i> promoting membrane hyperpolarization. Molecular Systems Design and Engineering, 2022, 7, 21-33.	1.7	5
2827	Tuning the Conductivity, Morphology, and Capacitance with Enhanced Antibacterial Properties of Polypyrrole by Acriflavine Hydrochloride. ACS Applied Polymer Materials, 2021, 3, 6063-6069.	2.0	12
2828	A hemolysin secretion pathway-based novel secretory expression platform for efficient manufacturing of tag peptides and anti-microbial peptides in Escherichia coli. Bioresources and Bioprocessing, 2021, 8, .	2.0	1
2829	Eco-Friendly Peelable Active Nanocomposite Films Designed for Biological and Chemical Warfare Agents Decontamination. Polymers, 2021, 13, 3999.	2.0	7
2830	Ab initio Designed Antimicrobial Peptides Against Gram-Negative Bacteria. Frontiers in Microbiology, 2021, 12, 715246.	1.5	20
2831	Inhibitory Activity of Shrimp Waste Extracts on Fungal and Oomycete Plant Pathogens. Plants, 2021, 10, 2452.	1.6	11
2832	Antibiotic tolerance and degradation capacity of the organic pollutant-degrading bacterium Rhodococcus biphenylivorans TG9T. Journal of Hazardous Materials, 2022, 424, 127712.	6.5	9
2833	Experimental and simulation studies reveal mechanism of action of human defensin derivatives. Biochimica Et Biophysica Acta - Biomembranes, 2021, 1864, 183824.	1.4	2
2834	Eco-benevolent synthesis of ZnO nanoflowers using Oxalis corniculata leaf extract for potential antimicrobial application in agriculture and cosmeceutical. Biocatalysis and Agricultural Biotechnology, 2021, 38, 102216.	1.5	6
2835	A 3D-printed microfluidic gradient concentration chip for rapid antibiotic-susceptibility testing. Bio-Design and Manufacturing, 2022, 5, 210-219.	3.9	13
2836	<i>In Vitro</i> Activity of Rifabutin and Rifampin against Antibiotic-Resistant Acinetobacter baumannii, Escherichia coli, Staphylococcus aureus, Pseudomonas aeruginosa, and Klebsiella pneumoniae. MSphere, 2021, 6, e0092021.	1.3	8
2837	Plasmid-Mediated Ciprofloxacin Resistance Imparts a Selective Advantage on Escherichia coli ST131. Antimicrobial Agents and Chemotherapy, 2022, 66, AAC0214621.	1.4	14
2838	Persistence against benzalkonium chloride promotes rapid evolution of tolerance during periodic disinfection. Nature Communications, 2021, 12, 6792.	5.8	49
2839	Insights into the Antibacterial Mechanism of Action of Chelating Agents by Selective Deprivation of Iron, Manganese, and Zinc. Applied and Environmental Microbiology, 2022, 88, AEM0164121.	1.4	9
2840	The Chiral Target of Daptomycin is the 2R,2'S Stereoisomer of Phosphatidylglycerol. Angewandte Chemie, 0, , .	1.6	0

#	ARTICLE	IF	CITATIONS
2841	<i>In vitro</i> assessment of the antibacterial effects of the combinations of fosfomycin, colistin, trimethoprim and nitrofurantoin against multi-drug-resistant <i>Escherichia coli</i> . <i>Letters in Applied Microbiology</i> , 2022, 74, 334-343.	1.0	2
2843	Friends or Foes? Rapid Determination of Dissimilar Colistin and Ciprofloxacin Antagonism of <i>Pseudomonas aeruginosa</i> Phages. <i>Pharmaceuticals</i> , 2021, 14, 1162.	1.7	15
2844	Multifunctional Antibiotic-Host Defense Peptide Conjugate Kills Bacteria, Eradicates Biofilms, and Modulates the Innate Immune Response. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 16854-16863.	2.9	18
2845	Functional and Structural Characterization of <i>Pediococcus pentosaceus</i> -Derived Biosurfactant and Its Biomedical Potential against Bacterial Adhesion, Quorum Sensing, and Biofilm Formation. <i>Antibiotics</i> , 2021, 10, 1371.	1.5	21
2846	Investigation of the Role of Hydrophobic Amino Acids on the Structure-Activity Relationship in the Antimicrobial Venom Peptide Ponericin L1. <i>Journal of Membrane Biology</i> , 2022, 255, 537-551.	1.0	4
2847	The Impact of Omega-3 Fatty Acids on the Evolution of <i>Acinetobacter baumannii</i> Drug Resistance. <i>Microbiology Spectrum</i> , 2021, 9, e0145521.	1.2	11
2848	The Chiral Target of Daptomycin Is the 2 <i>R</i> ,2 <i>S</i> Stereoisomer of Phosphatidylglycerol. <i>Angewandte Chemie - International Edition</i> , 2022, 61, e202114858.	7.2	11
2849	Statistical optimization of chromium (VI) reduction using response surface methodology (RSM) by newly isolated <i>Stenotrophomonas</i> sp. (a novel strain). <i>BioMetals</i> , 2021, , 1.	1.8	0
2850	Host Protease Activity on Bacterial Pathogens Promotes Complement and Antibiotic-Directed Killing. <i>Pathogens</i> , 2021, 10, 1506.	1.2	1
2851	Genome evolution drives transcriptomic and phenotypic adaptation in <i>Pseudomonas aeruginosa</i> during 20 years of infection. <i>Microbial Genomics</i> , 2021, 7, .	1.0	14
2852	Antibacterial Activity and Phytochemical Screening of <i>Garcinia pedunculata</i> Roxb. ex Buch. - Ham. fruit extract by HPLC-ESI-MS. <i>Journal of Pure and Applied Microbiology</i> , 2021, 15, 2183-2194.	0.3	1
2853	Genomic Investigation and Successful Containment of an Intermittent Common Source Outbreak of OXA-48-Producing <i>Enterobacter cloacae</i> Related to Hospital Shower Drains. <i>Microbiology Spectrum</i> , 2021, 9, e0138021.	1.2	8
2854	Fatty acids and their derivatives from <i>Chlorella vulgaris</i> extracts exhibit <i>in vitro</i> antimicrobial activity against the honey bee pathogen <i>Paenibacillus larvae</i> . <i>Journal of Apicultural Research</i> , 2024, 63, 310-322.	0.7	7
2855	Structural and functional analysis of the promiscuous AcrB and AdeB efflux pumps suggests different drug binding mechanisms. <i>Nature Communications</i> , 2021, 12, 6919.	5.8	25
2856	Disclosure of a Promising Lead to Tackle Complicated Skin and Skin Structure Infections: Antimicrobial and Antibiofilm Actions of Peptide PP4-3.1. <i>Pharmaceutics</i> , 2021, 13, 1962.	2.0	5
2857	Unveiling Endophytic Bacterial Community Structures of Different Rice Cultivars Grown in a Cadmium-Contaminated Paddy Field. <i>Frontiers in Microbiology</i> , 2021, 12, 756327.	1.5	13
2858	First row transition metal complexes of bis(3,5-dimethyl pyrazolyl)methane: synthesis, molecular structure and antibacterial properties. <i>Journal of Molecular Structure</i> , 2021, 1251, 132018.	1.8	2
2859	Deep eutectic solvents microbial toxicity: Current state of art and critical evaluation of testing methods. <i>Journal of Hazardous Materials</i> , 2022, 425, 127963.	6.5	64

#	ARTICLE	IF	CITATIONS
2860	Propolis particles incorporated in aqueous formulations with enhanced antibacterial performance. <i>Food Hydrocolloids for Health</i> , 2021, 1, 100040.	1.6	7
2861	Silver nanoflowers coupled with low dose antibiotics enable the highly effective eradication of drug-resistant bacteria. <i>Journal of Materials Chemistry B</i> , 2021, 9, 9839-9851.	2.9	7
2862	De novo design of short antimicrobial lipopeptides. <i>Anais Da Academia Brasileira De Ciencias</i> , 2021, 93, e20210362.	0.3	1
2863	Distribution of Genotypic and Phenotypic Antibiotic Resistance in a Conventional Wastewater Treatment Plant (Wwtp) in Two Years. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
2864	Antimicrobial Resistance in <i>Salmonella</i> Typhi Isolated From a Referral Hospital of Kathmandu, Nepal. <i>Microbiology Insights</i> , 2021, 14, 117863612110563.	0.9	5
2865	APTC-EC-2A: A Lytic Phage Targeting Multidrug Resistant <i>E. coli</i> Planktonic Cells and Biofilms. <i>Microorganisms</i> , 2022, 10, 102.	1.6	6
2866	Safety and Technological Characterization of <i>Staphylococcus xylosum</i> and <i>Staphylococcus pseudoxylosum</i> Isolates from Fermented Soybean Foods of Korea. <i>Journal of Microbiology and Biotechnology</i> , 2022, 32, .	0.9	2
2867	Directed evolution of the rRNA methylating enzyme Cfr reveals molecular basis of antibiotic resistance. <i>ELife</i> , 2022, 11, .	2.8	10
2868	Synthesis, spectroscopic characterization, computational studies, theoretical investigation of NLO properties and antibacterial activities of mixed ligand complexes of Co(II) and Cu(II). <i>Journal of Coordination Chemistry</i> , 2021, 74, 3140-3152.	0.8	3
2869	Synthesis and in vitro antimicrobial activity of new steroidal hydrazone derivatives. <i>Future Journal of Pharmaceutical Sciences</i> , 2022, 8, .	1.1	5
2870	Alterins, a new family of marine antibacterial cyclolipopeptides. <i>International Journal of Antimicrobial Agents</i> , 2022, 59, 106514.	1.1	2
2871	Low-Cost, User-Friendly, All-Integrated Smartphone-Based Microplate Reader for Optical-Based Biological and Chemical Analyses. <i>Analytical Chemistry</i> , 2022, 94, 1271-1285.	3.2	29
2872	Revealing antimicrobial resistance profile of the novel probiotic candidate <i>Faecalibacterium prausnitzii</i> DSM 17677. <i>International Journal of Food Microbiology</i> , 2022, 363, 109501.	2.1	8
2873	Membrane mechanism of temporin-1CEc, an antimicrobial peptide isolated from the skin secretions of <i>Rana chensinensis</i> , and its systemic analogs. <i>Bioorganic Chemistry</i> , 2022, 119, 105544.	2.0	7
2874	Discovery of novel antimicrobial peptides, Brevilaterin V, from <i>Brevibacillus laterosporus</i> S62-9 after regulated by exogenously-added L-valine. <i>LWT - Food Science and Technology</i> , 2022, 155, 112962.	2.5	8
2875	Discerning in vitro pharmacodynamics from OD measurements: A model-based approach. <i>Computers and Chemical Engineering</i> , 2022, 158, 107617.	2.0	6
2876	Fascaplysin derivatives binding to DNA via unique cationic five-ring coplanar backbone showed potent antimicrobial/antibiofilm activity against MRSA in vitro and in vivo. <i>European Journal of Medicinal Chemistry</i> , 2022, 230, 114099.	2.6	10
2877	Occurrence of antibiotic resistance genes and multidrug-resistant bacteria during wastewater treatment processes. <i>Science of the Total Environment</i> , 2022, 811, 152331.	3.9	30

#	ARTICLE	IF	CITATIONS
2878	Synthesis, Spectral, Crystal structure, Hirshfeld surface, Computational analysis, and Antimicrobial studies of Ethyl-(E)-4-(2-(2-arylidenehydrazinyl)-2-oxoethyl)piperazine-1-carboxylates. Journal of Molecular Structure, 2022, 1252, 132082.	1.8	17
2879	Microwave assisted formation of trimetallic AuPtCu nanoparticles from bimetallic nano-islands: Why it is a superior new age biocidal agent compared to monometallic & bimetallic nanoparticles. Journal of Alloys and Compounds, 2022, 896, 163073.	2.8	9
2880	Synergistic effects of antimicrobial peptide dendrimer-chitosan polymer conjugates against Pseudomonas aeruginosa. Carbohydrate Polymers, 2022, 280, 119025.	5.1	20
2881	Pharmacological and Molecular docking studies of new copper (II) complexes of N2-Phenyl-N4,N6-di(thiazol-2-yl)-1,3,5-triazine-2,4,6-triamine. Journal of Molecular Structure, 2022, 1253, 132275.	1.8	4
2882	Monoclinic- vs. triclinic-(NH4)2[Mg(H2O)6]2V10O28·4H2O: Structural studies and variation in antibacterial activities with the polymorph type. Journal of Molecular Structure, 2022, 1253, 132247.	1.8	1
2883	The synergistic effect of thurincin H and power ultrasound: An alternative for the inactivation of Listeria innocua ATCC 33090 and Escherichia coli K-12 in liquid food matrices. Food Control, 2022, 135, 108778.	2.8	7
2884	Cytotoxicity and antibacterial activity of the blue green alga Microcystis aeruginosa extracts against human cancer cell lines and foodborne bacteria. Egyptian Journal of Chemistry, 2020, 63, 2-3.	0.1	5
2885	Modification of Ca ²⁺ -Crosslinked Sodium Alginate/Gelatin Films with Propolis for an Improved Antimicrobial Action. , 2020, 69, .		1
2886	In Silico-Based Discovery of Natural Anthraquinones with Potential against Multidrug-Resistant E. coli. Pharmaceuticals, 2022, 15, 86.	1.7	7
2887	Antibiotic Discovery and Resistance: The Chase and the Race. Antibiotics, 2022, 11, 182.	1.5	58
2888	Biomaterialized Cascade Enzyme-Encapsulated ZIF-8 Nanoparticles Combined with Antisense Oligonucleotides for Drug-Resistant Bacteria Treatment. ACS Applied Materials & Interfaces, 2022, 14, 6453-6464.	4.0	35
2889	Immobilized biogenic zinc oxide nanoparticles as photocatalysts for degradation of methylene blue dye and treatment of textile effluents. International Journal of Environmental Science and Technology, 2022, 19, 11333-11346.	1.8	10
2890	Novel Pyridothienopyrimidine Derivatives: Design, Synthesis and Biological Evaluation as Antimicrobial and Anticancer Agents. Molecules, 2022, 27, 803.	1.7	9
2891	Rapid determination of antimicrobial susceptibility by SRS single-cell metabolic imaging. , 2022, , 445-461.		0
2892	Development and Evaluation of Liquid Plaster Loaded with Chromolaena odorata Leaf Extract Endowed with Several Beneficial Properties to Wound Healing. Gels, 2022, 8, 72.	2.1	3
2893	Inhibition of the Antibiotic Activity of Cephalosporines by Co-Crystallization with Thymol. Crystal Growth and Design, 2022, 22, 1467-1475.	1.4	8
2894	Dual Effect: High NADH Levels Contribute to Efflux-Mediated Antibiotic Resistance but Drive Lethality Mediated by Reactive Oxygen Species. MBio, 2022, 13, e0243421.	1.8	12
2895	Isolation and Characterization of Antimicrobial Peptides Isolated from Fagonia bruguieri. Applied Biochemistry and Biotechnology, 2022, 194, 4319-4332.	1.4	3

#	ARTICLE	IF	CITATIONS
2896	Antimicrobial Activity and Degradation Ability Study on Nanoparticle-Enriched Formulations Specially Designed for the Neutralization of Real and Simulated Biological and Chemical Warfare Agents. <i>Pharmaceuticals</i> , 2022, 15, 97.	1.7	3
2897	Hydrophilic nanoparticles that kill bacteria while sparing mammalian cells reveal the antibiotic role of nanostructures. <i>Nature Communications</i> , 2022, 13, 197.	5.8	63
2898	A Humanized Monoclonal Antibody Potentiates Killing of Diverse Biofilm-Forming Respiratory Tract Pathogens by Antibiotics. <i>Antimicrobial Agents and Chemotherapy</i> , 2022, 66, AAC0187721.	1.4	8
2899	Mutations in respiratory complex I promote antibiotic persistence through alterations in intracellular acidity and protein synthesis. <i>Nature Communications</i> , 2022, 13, 546.	5.8	21
2900	Biological activities of Egyptian grape and mulberry by-products and their potential use as natural sources of food additives and nutraceuticals foods. <i>Journal of Food Measurement and Characterization</i> , 2022, 16, 1559-1571.	1.6	3
2901	Logistic modeling to predict the minimum inhibitory concentration (MIC) of olive leaf extract (OLE) against <i>Listeria monocytogenes</i> . <i>PLoS ONE</i> , 2022, 17, e0263359.	1.1	1
2902	Anticancer and Antimicrobial Evaluations on Alternative Reading Frame (ARF) Peptides and Their Derivatives. <i>Protein and Peptide Letters</i> , 2022, 29, .	0.4	1
2903	Inhibition of Escherichia Virus MS2, Surrogate of SARS-CoV-2, via Essential Oils-Loaded Electrospun Fibrous Mats: Increasing the Multifunctionality of Antivirus Protection Masks. <i>Pharmaceutics</i> , 2022, 14, 303.	2.0	13
2904	Mooseer (<i>Allium hirtifolium</i>) boosts growth, general health status, and resistance of rainbow trout (<i>Oncorhynchus mykiss</i>) against <i>Streptococcus iniae</i> infection. <i>Fish and Shellfish Immunology</i> , 2022, 120, 360-368.	1.6	31
2905	Characterization of the Tellurite-Resistance Properties and Identification of the Core Function Genes for Tellurite Resistance in <i>Pseudomonas citronellolis</i> SJTE-3. <i>Microorganisms</i> , 2022, 10, 95.	1.6	7
2906	Variants of Tn <i>6924</i> , a Novel Tn <i>7</i> Family Transposon Carrying the <i>bla</i> _{NDM} Metallo- β -Lactamase and 14 Copies of the <i>aphA6</i> Amikacin Resistance Genes Found in <i>Acinetobacter baumannii</i> . <i>Microbiology Spectrum</i> , 2022, 10, e0174521.	1.2	11
2907	Antimicrobial Activity of Synthesized Multi-Metallic Nanoparticles using Traditional Indian Siddha Method. <i>Asian Journal of Chemistry</i> , 2022, 34, 443-447.	0.1	0
2908	Anti- <i>Pythium insidiosum</i> activity of MSI-78, LL-37, and magainin-2 antimicrobial peptides. <i>Brazilian Journal of Microbiology</i> , 2022, 53, 509-512.	0.8	5
2909	Pharmacodynamics of ceftriaxone for the treatment of methicillin-susceptible <i>Staphylococcus aureus</i> : is it a viable treatment option?. <i>International Journal of Antimicrobial Agents</i> , 2022, 59, 106537.	1.1	10
2910	Hand-Powered Vacuum-Driven Microfluidic Gradient Generator for High-Throughput Antimicrobial Susceptibility Testing. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
2911	Rapid, Label-Free Prediction of Antibiotic Resistance in <i>Salmonella typhimurium</i> by Surface-Enhanced Raman Spectroscopy. <i>International Journal of Molecular Sciences</i> , 2022, 23, 1356.	1.8	10
2912	Wasp Venom Peptide (Polybia MP-1) Shows Antimicrobial Activity Against Multi Drug Resistant Bacteria Isolated from Mastitic Cow Milk. <i>International Journal of Peptide Research and Therapeutics</i> , 2022, 28, 1.	0.9	6
2913	Enhancing Ocular Bioavailability of Ciprofloxacin Using Colloidal Lipid-Based Carrier for the Management of Post-Surgical Infection. <i>Molecules</i> , 2022, 27, 733.	1.7	10

#	ARTICLE	IF	CITATIONS
2914	Preparation of antibacterial polypeptides with different topologies and their antibacterial properties. <i>Biomaterials Science</i> , 2022, 10, 834-845.	2.6	10
2915	Comparative genomic analyses of Polymyxin-resistant Enterobacteriaceae strains from China. <i>BMC Genomics</i> , 2022, 23, 88.	1.2	6
2916	Antimicrobial Peptides Epinecidin-1 and Beta-Defesin-3 Are Effective against a Broad Spectrum of Antibiotic-Resistant Bacterial Isolates and Increase Survival Rate in Experimental Sepsis. <i>Antibiotics</i> , 2022, 11, 76.	1.5	6
2917	Obligate mutualistic cooperation limits evolvability. <i>Nature Communications</i> , 2022, 13, 337.	5.8	8
2919	Cymbopogon citratus Essential Oil: Its Application as an Antimicrobial Agent in Food Preservation. <i>Agronomy</i> , 2022, 12, 155.	1.3	17
2920	Effect of lemon essential oil on halitosis. <i>Oral Diseases</i> , 2023, 29, 1845-1854.	1.5	4
2921	The Influence of Liquid Medium Choice in Determination of Minimum Inhibitory Concentration of Essential Oils against Pathogenic Bacteria. <i>Antibiotics</i> , 2022, 11, 150.	1.5	8
2922	Evaluation of Antimicrobial Properties of Lichen Substances against Plant Pathogens. <i>Plant Pathology Journal</i> , 2022, 38, 25-32.	0.7	8
2923	Synergistic activity and immunomodulatory potential of levofloxacin and Synoecaâ€œMP peptide against multi-resistant strains of Klebsiella pneumoniae. <i>Microbial Pathogenesis</i> , 2022, 163, 105403.	1.3	4
2924	Mutation in mgrB is the major colistin resistance mechanism in Klebsiella pneumoniae clinical isolates in Tehran, Iran. <i>Acta Microbiologica Et Immunologica Hungarica</i> , 2022, 69, 61-67.	0.4	3
2925	Design and synthesis of some novel pyridothienopyrimidine derivatives and their biological evaluation as antimicrobial and anticancer agents targeting EGFR enzyme. <i>Arabian Journal of Chemistry</i> , 2022, 15, 103751.	2.3	6
2926	The transformation of U(VI) and V(V) in carnotite group minerals during dissimilatory respiration by a metal reducing bacterium. <i>Chemical Geology</i> , 2022, 591, 120726.	1.4	2
2927	The menaquinone pathway is important for susceptibility of Staphylococcus aureus to the antibiotic adjuvant, cannabidiol. <i>Microbiological Research</i> , 2022, 257, 126974.	2.5	13
2928	Bioactive profile of edible nasturtium and rose flowers during simulated gastrointestinal digestion. <i>Food Chemistry</i> , 2022, 381, 132267.	4.2	16
2929	Colorimetric assays for the rapid and high-throughput screening of antimicrobial peptide activity against diverse bacterial pathogens. <i>Methods in Enzymology</i> , 2022, 663, 131-156.	0.4	1
2930	Antibiotic susceptibility of <i>Bacillus velezensis</i> . <i>FEMS Microbiology Letters</i> , 2022, 369, .	0.7	2
2931	Exploring synergy and its role in antimicrobial peptide biology. <i>Methods in Enzymology</i> , 2022, 663, 99-130.	0.4	5
2932	Methods for the design and characterization of peptide antibiotics. <i>Methods in Enzymology</i> , 2022, 663, 303-326.	0.4	13

#	ARTICLE	IF	CITATIONS
2933	Screening for cysteine-stabilized scaffolds for developing proteolytic-resistant AMPs. <i>Methods in Enzymology</i> , 2022, 663, 67-98.	0.4	1
2934	Polarity-Sensitive Fluorescent Probe for Reflecting the Packing Degree of Bacterial Membrane Lipids. <i>Analytical Chemistry</i> , 2022, 94, 3303-3312.	3.2	12
2935	Synthetic Antibiotic Derived from Sequences Encrypted in a Protein from Human Plasma. <i>ACS Nano</i> , 2022, 16, 1880-1895.	7.3	23
2936	The oxidative stress and metabolic response of <i>Acinetobacter baumannii</i> for aPDT multiple photosensitization. <i>Scientific Reports</i> , 2022, 12, 1913.	1.6	3
2937	Statistical optimization of ultrasound assisted extraction of free and bound phenolic acids, antioxidant and antibacterial activities and UPLC-MS/MS characterization from two varieties of <i>Eleusine coracana</i> . <i>Journal of Food Measurement and Characterization</i> , 2022, 16, 2086-2103.	1.6	1
2938	Transcriptome Analysis of <i>Pseudomonas aeruginosa</i> Biofilm Infection in an <i>Ex Vivo</i> Pig Model of the Cystic Fibrosis Lung. <i>Applied and Environmental Microbiology</i> , 2022, 88, AEM0178921.	1.4	11
2939	In Vivo Evaluation of ECP Peptide Analogues for the Treatment of <i>Acinetobacter baumannii</i> Infection. <i>Biomedicines</i> , 2022, 10, 386.	1.4	2
2940	Proteomics in antibiotic resistance and tolerance research: Mapping the resistome and the tolerome of bacterial pathogens. <i>Proteomics</i> , 2022, 22, e2100409.	1.3	5
2941	Essential Oils and Their Major Components: An Updated Review on Antimicrobial Activities, Mechanism of Action and Their Potential Application in the Food Industry. <i>Foods</i> , 2022, 11, 464.	1.9	117
2942	Antibacterial Activities of Peptide HF-18 Against <i>Helicobacter pylori</i> and its Virulence Protein CagA. <i>International Journal of Peptide Research and Therapeutics</i> , 2022, 28, 1.	0.9	1
2943	The potential use of colorimetric pH sensor from <i>Clitoria ternatea</i> flower for indicating bacterial infection in wound dressing application. <i>Microchemical Journal</i> , 2022, 177, 107277.	2.3	6
2945	A practical laboratory method to determine ceftazidime-avibactam-aztreonam synergy in patients with New Delhi metallo-beta-lactamase (NDM)-producing Enterobacterales infection. <i>Journal of Global Antimicrobial Resistance</i> , 2022, 29, 558-562.	0.9	10
2946	Droplet Microfluidics for High-Throughput Analysis of Antibiotic Susceptibility in Bacterial Cells and Populations. <i>Accounts of Chemical Research</i> , 2022, 55, 605-615.	7.6	29
2947	Profiling of Biologically Active Metabolites of <i>Spergula fallax</i> L. Using High-resolution UPLC-QTOF-MS. <i>Current Pharmaceutical Biotechnology</i> , 2022, 23, 1758-1771.	0.9	1
2948	Boosting antibiotics performance by new formulations with deep eutectic solvents. <i>International Journal of Pharmaceutics</i> , 2022, 616, 121566.	2.6	10
2949	Need for standardization and harmonization of <i>Helicobacter pylori</i> antimicrobial susceptibility testing. <i>Helicobacter</i> , 2022, 27, e12873.	1.6	17
2950	Structural characterization of phytochemical content, antibacterial, and antifungal activities of <i>Juglans regia</i> L. leaves cultivated in Algeria. <i>Biocatalysis and Agricultural Biotechnology</i> , 2022, 40, 102304.	1.5	6
2951	SYNTHESIS, CHARACTERIZATION AND ANTIMICROBIAL STUDIES OF CERTAIN 1,2,4-TRIAZOLE DERIVATIVES. <i>Journal of Applied Pharmacy</i> , 0, 6, 1.	0.1	4

#	ARTICLE	IF	CITATIONS
2952	Lactacaseicin 30 and Colistin as a Promising Antibiotic Formulation against Gram-Negative β -Lactamase-Producing Strains and Colistin-Resistant Strains. <i>Antibiotics</i> , 2022, 11, 20.	1.5	3
2954	A Novel Pm Sampling and Cell Exposure Strategy Based on Agar Membrane for Cytotoxicity Study. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
2955	Integration of Nucleic Acid Amplification, Detection, and Melting Curve Analysis for Rapid Genotyping of Antimicrobial Resistance. <i>IEEE Sensors Journal</i> , 2022, 22, 7534-7541.	2.4	1
2956	Biochemical and structural characterization of <i>Haemophilus influenzae</i> nitroreductase in metabolizing nitroimidazoles. <i>RSC Chemical Biology</i> , 2022, 3, 436-446.	2.0	3
2957	Armeniaspirol analogues with more potent Gram-positive antibiotic activity show enhanced inhibition of the ATP-dependent proteases ClpXP and ClpYQ. <i>RSC Medicinal Chemistry</i> , 0, , .	1.7	2
2958	Antimicrobial, Cytotoxicity and Molecular Docking Study of New Quinoline Schiff Base and its Metal(II) Complexes. <i>Asian Journal of Chemistry</i> , 2022, 34, 685-694.	0.1	1
2960	Screening and Identification of Antibiotic Resistant Gene <i>int1</i> in Coliforms Isolated From Drinking Water. <i>Air, Soil and Water Research</i> , 2022, 15, 117862212210847.	1.2	2
2961	RpoN-Based stapled peptides with improved DNA binding suppress <i>Pseudomonas aeruginosa</i> virulence. <i>RSC Medicinal Chemistry</i> , 2022, 13, 445-455.	1.7	2
2962	Medicinal plants used as antidiarrheal agents in the lower Mekong basin. , 2022, , 235-265.		0
2963	From poly(vinylimidazole) to cationic glycopolymers and glyco-particles: effective antibacterial agents with enhanced biocompatibility and selectivity. <i>Polymer Chemistry</i> , 0, , .	1.9	4
2964	An antibiotic concentration gradient microfluidic device integrating surface-enhanced Raman spectroscopy for multiplex antimicrobial susceptibility testing. <i>Lab on A Chip</i> , 2022, 22, 1805-1814.	3.1	17
2965	Polycationic Glycopolymer Demonstrates Activity Against Persisters and Biofilms of Non-tuberculosis Mycobacteria Cystic Fibrosis Clinical Isolates in vitro. <i>Frontiers in Microbiology</i> , 2022, 13, 821820.	1.5	4
2966	Stapling of Peptides Potentiates the Antibiotic Treatment of <i>Acinetobacter baumannii</i> In Vivo. <i>Antibiotics</i> , 2022, 11, 273.	1.5	6
2967	Colicin E1 opens its hinge to plug TolC. <i>ELife</i> , 2022, 11, .	2.8	11
2968	Quality Related Safety Evaluation of a South African Traditional Formulation (PHELA [®]) as Novel Anti-Biofilm Candidate. <i>Molecules</i> , 2022, 27, 1219.	1.7	2
2969	Self-Assembly of Antimicrobial Peptoids Impacts Their Biological Effects on <i>ESKAPE</i> Bacterial Pathogens. <i>ACS Infectious Diseases</i> , 2022, 8, 533-545.	1.8	35
2970	<i>Limosilactobacillus fermentum</i> ING8, a Potential Multifunctional Non-Starter Strain with Relevant Technological Properties and Antimicrobial Activity. <i>Foods</i> , 2022, 11, 703.	1.9	9
2971	Synergistic Antimicrobial Effect of <i>Lactiplantibacillus plantarum</i> and <i>Lawsonia inermis</i> Against <i>Staphylococcus aureus</i> . <i>Infection and Drug Resistance</i> , 2022, Volume 15, 545-554.	1.1	4

#	ARTICLE	IF	CITATIONS
2972	Determination of the Relationships between the Chemical Structure and Antimicrobial Activity of a GAPDH-Related Fish Antimicrobial Peptide and Analogs Thereof. <i>Antibiotics</i> , 2022, 11, 297.	1.5	4
2973	Expanded profiling of β -lactam selectivity for penicillin-binding proteins in <i>Streptococcus pneumoniae</i> D39. <i>Biological Chemistry</i> , 2022, 403, 433-443.	1.2	5
2974	Design, Synthesis, and Antimicrobial Activity of Quindoline Derivatives Inspired by the Cryptolepine Alkaloid. <i>Journal of Agricultural and Food Chemistry</i> , 2022, 70, 2851-2863.	2.4	11
2975	Assessment of Staphylococcal Clinical Isolates from Periprosthetic Joint Infections for Potential Bacteriophage Therapy. <i>Journal of Bone and Joint Surgery - Series A</i> , 2022, 104, 693-699.	1.4	12
2976	A New Source of Diterpene Lactones From <i>Andrographis paniculata</i> (Burm. f.) Nees—Two Endophytic Fungi of <i>Colletotrichum</i> sp. With Antibacterial and Antioxidant Activities. <i>Frontiers in Microbiology</i> , 2022, 13, 819770.	1.5	10
2977	Chemical and Biological Characterization of <i>Melaleuca alternifolia</i> Essential Oil. <i>Plants</i> , 2022, 11, 558.	1.6	25
2978	Human Cryptic Host Defence Peptide GVF27 Exhibits Anti-Infective Properties against Biofilm Forming Members of the <i>Burkholderia cepacia</i> Complex. <i>Pharmaceuticals</i> , 2022, 15, 260.	1.7	3
2979	Land Use Influences the Composition and Antimicrobial Effects of Propolis. <i>Insects</i> , 2022, 13, 239.	1.0	3
2980	Total synthesis of himastatin. <i>Science</i> , 2022, 375, 894-899.	6.0	16
2981	Effects of Increasing Concentrations of Rifampicin on Different <i>Mycobacterium tuberculosis</i> Lineages in a Whole-Blood Bactericidal Activity Assay. <i>Antimicrobial Agents and Chemotherapy</i> , 2022, 66, AAC0169921.	1.4	3
2982	Biocomposites of Silk-Elastin and Essential Oil from <i>Mentha piperita</i> Display Antibacterial Activity. <i>ACS Omega</i> , 2022, 7, 6568-6578.	1.6	4
2983	In vitro pesticides susceptibility of <i>Erwinia</i> sp. causing papaya (<i>Carica papaya</i>) black rot in Okinawa, Japan and captan effectiveness on papaya pot seedlings. <i>Journal of General Plant Pathology</i> , 0, , 1.	0.6	1
2984	Structural basis for context-specific inhibition of translation by oxazolidinone antibiotics. <i>Nature Structural and Molecular Biology</i> , 2022, 29, 162-171.	3.6	31
2985	Multifunctional Magnetic Porous Microspheres for Highly Efficient and Recyclable Water Disinfection and Dye Removal. <i>ACS Applied Polymer Materials</i> , 2022, 4, 1576-1585.	2.0	5
2986	New Route to the Synthesis of Novel Pyrazolo[1,5-a]pyrimidines and Evaluation of their Antimicrobial Activity as RNA Polymerase Inhibitors. <i>Medicinal Chemistry</i> , 2022, 18, 926-948.	0.7	4
2987	Discovery of antimicrobials by massively parallelized growth assays (Mex). <i>Scientific Reports</i> , 2022, 12, 4097.	1.6	2
2988	Discovery of Highly Active Derivatives of Daptomycin by Assessing the Effect of Amino Acid Substitutions at Positions 8 and 11 on a Daptomycin Analogue. <i>ACS Infectious Diseases</i> , 2022, 8, 778-789.	1.8	4
2989	Liquid Crystal Nanoparticles Enhance Tobramycin Efficacy in a Murine Model of <i>Pseudomonas aeruginosa</i> Biofilm Wound Infection. <i>ACS Infectious Diseases</i> , 2022, 8, 841-854.	1.8	8

#	ARTICLE	IF	CITATIONS
2990	Novel Antimicrobial Peptides Designed Using a Recurrent Neural Network Reduce Mortality in Experimental Sepsis. <i>Antibiotics</i> , 2022, 11, 411.	1.5	8
2992	The repurposing of Tebipenem pivoxil as alternative therapy for severe gastrointestinal infections caused by extensively drug-resistant <i>Shigella</i> spp. <i>ELife</i> , 2022, 11, .	2.8	6
2993	Re-sensitization of <i>mcr</i> carrying multidrug resistant bacteria to colistin by silver. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2119417119.	3.3	15
2994	Low pH nasal rinse solution enhances mupirocin antimicrobial efficacy. <i>Rhinology</i> , 2022, .	0.7	1
2997	Modification of mesoporous structure of silver-doped bioactive glass with antibacterial properties for bone tissue applications. <i>Ceramics International</i> , 2022, 48, 8276-8285.	2.3	7
2998	Synthesis and Characterization of Chitosan with Silica (CS) Nanocomposite with Enhanced Antibacterial Activity. <i>International Journal of Research in Pharmaceutical Sciences</i> , 2022, 13, 27-34.	0.0	1
2999	Emergence of Resistant <i>Escherichia coli</i> Mutants in Microfluidic On-Chip Antibiotic Gradients. <i>Frontiers in Microbiology</i> , 2022, 13, 820738.	1.5	4
3000	Site-Specific Isopeptide Bond Formation: A Powerful Tool for the Generation of Potent and Nontoxic Antimicrobial Peptides. <i>Journal of Medicinal Chemistry</i> , 2022, 65, 5085-5094.	2.9	6
3001	Prevalence of Heterotrophic Methylmercury Detoxifying Bacteria across Oceanic Regions. <i>Environmental Science & Technology</i> , 2022, 56, 3452-3461.	4.6	9
3002	Genetic Signatures from Adaptation of Bacteria to Lytic Phage Identify Potential Agents To Aid Phage Killing of Multidrug-Resistant <i>Acinetobacter baumannii</i> . <i>Journal of Bacteriology</i> , 2022, 204, jb0059321.	1.0	5
3003	Heterogeneous-Backbone Proteomimetic Analogues of Lasiocepsin, a Disulfide-Rich Antimicrobial Peptide with a Compact Tertiary Fold. <i>ACS Chemical Biology</i> , 2022, 17, 987-997.	1.6	4
3004	Fusions of a carbohydrate binding module with the small cationic hexapeptide RWRWRW confer antimicrobial properties to cellulose-based materials. <i>Acta Biomaterialia</i> , 2022, 143, 216-232.	4.1	6
3005	Antimicrobial Susceptibility Testing: A Comprehensive Review of Currently Used Methods. <i>Antibiotics</i> , 2022, 11, 427.	1.5	96
3006	Polyproline Peptide Aggregation with <i>Klebsiella pneumoniae</i> Extracellular Polysaccharides Exposes Biofilm Associated Bacteria. <i>Microbiology Spectrum</i> , 2022, 10, e0202721.	1.2	3
3007	Efficacy of Ciprofloxacin, Metronidazole and Minocycline in Ordered Mesoporous Silica against <i>Enterococcus faecalis</i> for Dental Pulp Revascularization: An In-Vitro Study. <i>Materials</i> , 2022, 15, 2266.	1.3	3
3008	A carbapenem-resistant <i>Acinetobacter baumannii</i> outbreak associated with a polymyxin shortage during the COVID pandemic: an <i>in vitro</i> and biofilm analysis of synergy between meropenem, gentamicin and sulbactam. <i>Journal of Antimicrobial Chemotherapy</i> , 2022, , .	1.3	4
3009	Prediction of Linear Cationic Antimicrobial Peptides Active against Gram-Negative and Gram-Positive Bacteria Based on Machine Learning Models. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 3631.	1.3	10
3010	Assembly and Functional Role of PACE Transporter PA2880 from <i>Pseudomonas aeruginosa</i> . <i>Microbiology Spectrum</i> , 2022, 10, e0145321.	1.2	7

#	ARTICLE	IF	CITATIONS
3011	Antibacterial and antioxidant properties of humic substances from composted agricultural biomasses. <i>Chemical and Biological Technologies in Agriculture</i> , 2022, 9, .	1.9	28
3012	Antimicrobial Synergy between Aminoglycosides and Licorice Extract in <i>Listeria monocytogenes</i> . <i>Pathogens</i> , 2022, 11, 440.	1.2	5
3013	6S RNA-Dependent Susceptibility to RNA Polymerase Inhibitors. <i>Antimicrobial Agents and Chemotherapy</i> , 2022, 66, e0243521.	1.4	2
3014	Synthesis and Characterization of Laccase Enzyme Aggregates From <i>Trametes villosa</i> for Simultaneous Elimination of Rifampicin and Isoniazid. <i>International Journal of Environmental Research</i> , 2022, 16, 1.	1.1	2
3015	Rational design of bioactive chimeric construct by exploring archaeal antimicrobial peptides: an in silico approach. , 0, , 1.		0
3016	Diversity of glpK Gene and Its Effect on Drug Sensitivity in <i>Mycobacterium bovis</i> . <i>Infection and Drug Resistance</i> , 2022, Volume 15, 1467-1475.	1.1	3
3017	Oxospirochlorins as new promising photosensitizers against priority pathogens. <i>Dyes and Pigments</i> , 2022, 201, 110240.	2.0	4
3018	Synergistic effect of Nisin with acetic and propionic acids inactivates <i>Bacillus subtilis</i> on meat and potato. <i>Biocatalysis and Agricultural Biotechnology</i> , 2022, 41, 102317.	1.5	5
3019	Antimicrobial properties of spray-dried cellulose nanocrystals and metal oxide-based nanoparticles-in-microspheres. <i>Chemical Engineering Journal Advances</i> , 2022, 10, 100273.	2.4	14
3020	N-acyl-homoserine lactone mediated virulence factor(s) of <i>Pseudomonas aeruginosa</i> inhibited by flavonoids and isoflavonoids. <i>Process Biochemistry</i> , 2022, 116, 84-93.	1.8	13
3021	Bacterial anti-adhesive films of PDMS coated with microstructures of biogenic silica rosettes extracted from pineapple peels residues. <i>Surfaces and Interfaces</i> , 2022, 30, 101881.	1.5	3
3022	Hand-powered vacuum-driven microfluidic gradient generator for high-throughput antimicrobial susceptibility testing. <i>Biosensors and Bioelectronics</i> , 2022, 205, 114100.	5.3	15
3023	Poly-quercetin-based nanoVelcro as a multifunctional wound dressing for effective treatment of chronic wound infections. <i>Chemical Engineering Journal</i> , 2022, 437, 135315.	6.6	31
3024	Effect of cetyltrimethylammonium chloride on various <i>Escherichia coli</i> strains and their inactivation kinetics by ozone and monochloramine. <i>Water Research</i> , 2022, 216, 118278.	5.3	3
3025	Biological activity of biopolymer edible furcellaran-chitosan coatings enhanced with bioactive peptides. <i>Food Control</i> , 2022, 137, 108933.	2.8	11
3026	Antibiotic-resistant bacteria and antibiotic resistance genes in uranium mine: Distribution and influencing factors. <i>Environmental Pollution</i> , 2022, 304, 119158.	3.7	13
3027	A novel particulate matter sampling and cell exposure strategy based on agar membrane for cytotoxicity study. <i>Chemosphere</i> , 2022, 300, 134473.	4.2	4
3028	Ultrasound-assisted synthesis and biological activity of nanosized supramolecular coordination polymers of silver(I) with chloride, thiocyanate, and 4,4'-bipyridine ligands. <i>Journal of Molecular Structure</i> , 2022, 1261, 132940.	1.8	0

#	ARTICLE	IF	CITATIONS
3029	Comparison of Antimicrobial Properties and Toxicity of Natural S3 Peptide with Horseshoe Crab Amoebocyte Origin and its Mutants. <i>Majallah-i Dānishgāh-i Ārshād-i Pizishkā-i Ālām</i> , 2021, 29, 60-73.	0.1	0
3030	Evaluation of the Effect of Less Negatively Charged Amino Acid Substitution in Synthetic Tetramer Peptide S3 Derived from Horseshoe Crab Amoebocyte on its Antibacterial Properties. <i>Majallah-i Dānishgāh-i Ārshād-i Pizishkā-i Ālām</i> , 2021, 29, 103-116.	0.1	0
3031	Anti-Hemolytic and Antimicrobial Effects against Multidrug-Resistant Bacteria of <i>Enterococcus faecalis</i> Isolated from Human Breast Milk. <i>Microbiology and Biotechnology Letters</i> , 2021, , .	0.2	0
3032	Optimal Balance of Hydrophobic Content and Degree of Polymerization Results in a Potent Membrane-Targeting Antibacterial Polymer. <i>ACS Omega</i> , 2021, 6, 34724-34735.	1.6	12
3033	Chemical composition, antimicrobial activity and cytotoxicity of <i>Murraya paniculata</i> (L.) Jack leaf essential oil from Assam, India: the effect of oil on cellular morphology of micro-organisms. <i>Archives of Microbiology</i> , 2022, 204, 99.	1.0	1
3034	A Bayesian approach to modeling antimicrobial multidrug resistance. <i>PLoS ONE</i> , 2021, 16, e0261528.	1.1	2
3035	Dihydrophenanthrenes from a Sicilian Accession of <i>Himantoglossum robertianum</i> (Loisel.) P. Delforge Showed Antioxidant, Antimicrobial, and Antiproliferative Activities. <i>Plants</i> , 2021, 10, 2776.	1.6	16
3036	Characterization and Molecular Determinants for β -Lactam Specificity of the Multidrug Efflux Pump AcrD from <i>Salmonella typhimurium</i> . <i>Antibiotics</i> , 2021, 10, 1494.	1.5	4
3037	Inhibition of Bacterial Adhesion and Antibiofilm Activities of a Glycolipid Biosurfactant from <i>Lactobacillus rhamnosus</i> with Its Physicochemical and Functional Properties. <i>Antibiotics</i> , 2021, 10, 1546.	1.5	46
3038	Antimicrobial Activity of <i>Brassica rapa</i> L. Flowers Extract on Gastrointestinal Tract Infections and Antiulcer Potential Against Indomethacin-Induced Gastric Ulcer in Rats Supported by Metabolomics Profiling. <i>Journal of Inflammation Research</i> , 2021, Volume 14, 7411-7430.	1.6	25
3039	<i>In Vitro</i> and <i>In Vivo</i> Studies on the Antibacterial Activity and Safety of a New Antimicrobial Peptide Dermaseptin-AC. <i>Microbiology Spectrum</i> , 2021, 9, e0131821.	1.2	5
3041	<i>Lysinibacillus</i> Isolate MK212927: A Natural Producer of Allylamine Antifungal ϵ -Terbinafine [™] . <i>Molecules</i> , 2022, 27, 201.	1.7	4
3042	The utilization of <i>Blaptica dubia</i> cockroaches as an in vivo model to test antibiotic efficacy. <i>Scientific Reports</i> , 2021, 11, 24004.	1.6	0
3043	Discovery of Mycothiogrammatins from <i>Streptomyces vietnamensis</i> GIMV4.0001 and the Regulatory Effect of Mycothiol on the Granaticin Biosynthesis. <i>Frontiers in Chemistry</i> , 2021, 9, 802279.	1.8	9
3044	Discovery of a Polyamino Acid Antibiotic Solely Comprising β -Lysine by Potential Producer Prioritization-Guided Genome Mining. <i>ACS Chemical Biology</i> , 2022, 17, 171-180.	1.6	3
3045	Synthesis and Antimicrobial Activity of β -Viniferin Analogues and Isosteres. <i>Molecules</i> , 2021, 26, 7594.	1.7	6
3047	Citrus Peel Extracts for Industrial-Scale Production of Bio-Based Active Food Packaging. <i>Foods</i> , 2022, 11, 30.	1.9	5
3048	Floral origin, Antioxidant and Antimicrobial Activity of Some Floral Honey. <i>Türk Doğa Ve Fen Dergisi</i> , 2021, 10, 95-100.	0.2	1

#	ARTICLE	IF	CITATIONS
3049	THE STUDY OF ANTIOXIDANTS TO EVALUATE THE HEALING EFFECTS OF PUNICA GRANATUM PEEL ON ACETIC ACID-INDUCED COLITIS IN CHARLES-FOSTER ALBINO RATS. Asian Journal of Pharmaceutical and Clinical Research, 0, , 109-112.	0.3	0
3050	THE STUDY OF FREE RADICALS TO EVALUATE THE HEALING EFFECTS OF PUNICA GRANATUM PEEL ON ACETIC ACID-INDUCED COLITIS IN RATS. Asian Journal of Pharmaceutical and Clinical Research, 0, , 66-68.	0.3	0
3051	Essential-Oil-Loaded Nanoemulsion Lipidic-Phase Optimization and Modeling by Response Surface Methodology (RSM): Enhancement of Their Antimicrobial Potential and Bioavailability in Nanoscale Food Delivery System. Foods, 2021, 10, 3149.	1.9	14
3052	Degradation of Components of the Lpt Transenvelope Machinery Reveals LPS-Dependent Lpt Complex Stability in Escherichia coli. Frontiers in Molecular Biosciences, 2021, 8, 758228.	1.6	6
3053	How to Combat Gram-Negative Bacteria Using Antimicrobial Peptides: A Challenge or an Unattainable Goal?. Antibiotics, 2021, 10, 1499.	1.5	19
3054	Composition, Anti-MRSA Activity and Toxicity of Essential Oils from Cymbopogon Species. Molecules, 2021, 26, 7542.	1.7	17
3055	Bacteriomimetic Liposomes Improve Antibiotic Activity of a Novel Energy-Coupling Factor Transporter Inhibitor. Pharmaceutics, 2022, 14, 4.	2.0	9
3056	Evaluation of antimicrobial activity of the extract of Streptomyces euryhalinus isolated from the Indian Sundarbans. Archives of Microbiology, 2022, 204, 34.	1.0	6
3057	Nanosecond-resolution photothermal dynamic imaging via MHZ digitization and match filtering. Nature Communications, 2021, 12, 7097.	5.8	27
3058	Functional screening of a human saliva metagenomic DNA reveal novel resistance genes against sodium hypochlorite and chlorhexidine. BMC Oral Health, 2021, 21, 632.	0.8	1
3059	New Supramolecular Drug Carriers: The Study of Organogel Conjugated Gold Nanoparticles. Molecules, 2021, 26, 7462.	1.7	4
3060	Ampoule-Like Microvolume Containers with Transparent Code for Easy-Use and Space-Saving Storage of Small-Volume Biospecimens. Advanced Materials Technologies, 0, , 2101266.	3.0	2
3061	Astragaloside iv inhibits salmonella-induced meningitis via modulation of bacterial virulence and host response. Pharmacognosy Magazine, 2021, 17, 786.	0.3	0
3062	OUP accepted manuscript. Journal of Antimicrobial Chemotherapy, 2022, , .	1.3	1
3063	Microwave assisted synthesis of novel spiro diarylidene and their antimicrobial assay. Journal of the Serbian Chemical Society, 2022, 87, 813-827.	0.4	1
3064	Helicobacter pylori Infection, Its Laboratory Diagnosis, and Antimicrobial Resistance: a Perspective of Clinical Relevance. Clinical Microbiology Reviews, 2022, 35, e0025821.	5.7	30
3065	Human serum triggers antibiotic tolerance in Staphylococcus aureus. Nature Communications, 2022, 13, 2041.	5.8	32
3066	Antisense Peptide Nucleic Acid-Diaminobutanoic Acid Dendron Conjugates with SbmA-Independent Antimicrobial Activity against Gram-Negative Bacteria. ACS Infectious Diseases, 2022, 8, 1098-1106.	1.8	11

#	ARTICLE	IF	CITATIONS
3067	Two new triterpenes from <i>Commicarpus grandiflorus</i> (A. Rich.) Standl. aerial parts exudate. <i>Natural Product Research</i> , 2023, 37, 3228-3236.	1.0	2
3068	In vitro Antimicrobial Activity and the Mechanism of Berberine Against Methicillin-Resistant <i>Staphylococcus aureus</i> Isolated from Bloodstream Infection Patients. <i>Infection and Drug Resistance</i> , 2022, Volume 15, 1933-1944.	1.1	18
3069	Linker-Improved Chimeric Endolysin Selectively Kills <i>Staphylococcus aureus</i> <i>In Vitro</i> , on Reconstituted Human Epidermis, and in a Murine Model of Skin Infection. <i>Antimicrobial Agents and Chemotherapy</i> , 2022, 66, e0227321.	1.4	12
3070	Diagnosis of Bloodstream Infections: An Evolution of Technologies towards Accurate and Rapid Identification and Antibiotic Susceptibility Testing. <i>Antibiotics</i> , 2022, 11, 511.	1.5	16
3071	Small-Molecular Adjuvants with Weak Membrane Perturbation Potentiate Antibiotics against Gram-Negative Superbugs. <i>ACS Infectious Diseases</i> , 2022, 8, 1086-1097.	1.8	10
3072	Discovery of New Secondary Metabolites from Marine Bacteria <i>Hahella</i> Based on an Omics Strategy. <i>Marine Drugs</i> , 2022, 20, 269.	2.2	5
3073	Probiotic Characterization of <i>Lactobacillus brevis</i> MJM60390 and <i>In Vivo</i> Assessment of Its Antihyperuricemic Activity. <i>Journal of Medicinal Food</i> , 2022, 25, 367-380.	0.8	14
3220	Tiger 17 and pexiganan as antimicrobial and hemostatic boosters of cellulose acetate-containing poly(vinyl alcohol) electrospun mats for potential wound care purposes. <i>International Journal of Biological Macromolecules</i> , 2022, 209, 1526-1541.	3.6	14
3221	Genomic and phenotypic analyses of diverse non-clinical <i>Acinetobacter baumannii</i> strains reveals strain-specific virulence and resistance capacity. <i>Microbial Genomics</i> , 2022, 8, .	1.0	7
3222	Morphing Natural Product Platensimycin via Heck, Sonogashira, and One-Pot Sonogashira/Cycloaddition Reactions to Produce Antibiotics with <i>In Vivo</i> Activity. <i>Antibiotics</i> , 2022, 11, 425.	1.5	0
3224	Fungal Pigment-Assisted Silver Nanoparticle Synthesis and Their Antimicrobial and Cytotoxic Potential. <i>Methods in Molecular Biology</i> , 2022, 2469, 65-78.	0.4	1
3225	Potential Probiotic <i>Lactobacillus paracasei</i> MJM60396 Prevents Hyperuricemia in a Multiple Way by Absorbing Purine, Suppressing Xanthine Oxidase and Regulating Urate Excretion in Mice. <i>Microorganisms</i> , 2022, 10, 851.	1.6	17
3226	Cholic Acid-Based Antimicrobial Peptide Mimics as Antibacterial Agents. <i>International Journal of Molecular Sciences</i> , 2022, 23, 4623.	1.8	6
3227	Comparative determination of antimicrobial activity of the Balkan endemic species <i>Stachys thracica</i> Davidov during the process of ex situ conservation. <i>BioRisk</i> , 0, 17, 357-365.	0.2	1
3228	Resolvin E1's Antimicrobial Potential Against <i>Aggregatibacter Actinomycetemcomitans</i> . <i>Frontiers in Oral Health</i> , 2022, 3, 875047.	1.2	2
3229	Enhanced Biosynthesis of Fatty Acids Contributes to Ciprofloxacin Resistance in <i>Pseudomonas aeruginosa</i> . <i>Frontiers in Microbiology</i> , 2022, 13, 845173.	1.5	3
3230	Synthesis and Characterization of Antibiotic-Loaded Biodegradable Citrate Functionalized Mesoporous Hydroxyapatite Nanocarriers as an Alternative Treatment for Bone Infections. <i>Pharmaceutics</i> , 2022, 14, 975.	2.0	6
3231	Evaluation of a Luminometric Cell Counting System in Context of Antimicrobial Photodynamic Inactivation. <i>Microorganisms</i> , 2022, 10, 950.	1.6	3

#	ARTICLE	IF	CITATIONS
3232	Identification of an Au(I) N-Heterocyclic Carbene Compound as a Bactericidal Agent Against <i>Pseudomonas aeruginosa</i> . <i>Frontiers in Chemistry</i> , 2022, 10, 895159.	1.8	3
3233	Polymicrobial Biofilm Dynamics of Multidrug-Resistant <i>Candida albicans</i> and Ampicillin-Resistant <i>Escherichia coli</i> and Antimicrobial Inhibition by Aqueous Garlic Extract. <i>Antibiotics</i> , 2022, 11, 573.	1.5	7
3234	Antibacterial and hemostatic capacities of cellulose nanocrystalline-reinforced poly(vinyl alcohol) electrospun mats doped with Tiger 17 and pexiganan peptides for prospective wound healing applications. , 2022, 137, 212830.		10
3235	C-terminal mini-PEGylation of a marine peptide N6 had potent antibacterial and anti-inflammatory properties against <i>Escherichia coli</i> and <i>Salmonella</i> strains in vitro and in vivo. <i>BMC Microbiology</i> , 2022, 22, 128.	1.3	11
3236	Antibacterial peptide NZ2114-loaded hydrogel accelerates <i>Staphylococcus aureus</i> -infected wound healing. <i>Applied Microbiology and Biotechnology</i> , 2022, 106, 3639-3656.	1.7	13
3237	Evolution of <i>Enterococcus faecium</i> in Response to a Combination of Daptomycin and Fosfomycin Reveals Distinct and Diverse Adaptive Strategies. <i>Antimicrobial Agents and Chemotherapy</i> , 2022, 66, e0233321.	1.4	6
3238	Loading of Polydimethylsiloxane with a Human ApoB-Derived Antimicrobial Peptide to Prevent Bacterial Infections. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5219.	1.8	6
3239	Synthesis, Spectroscopic Characterization, Single-Crystal Structure, Hirshfeld Surface Analysis, and Antimicrobial Studies of 3-Acetoxy-2-methylbenzoic Anhydride. <i>ACS Omega</i> , 2022, 7, 17192-17201.	1.6	8
3240	Identification and Functional Characterization of Peptides With Antimicrobial Activity From the Syphilis Spirochete, <i>Treponema pallidum</i> . <i>Frontiers in Microbiology</i> , 2022, 13, .	1.5	2
3241	The StkSR Two-Component System Influences Colistin Resistance in <i>Acinetobacter baumannii</i> . <i>Microorganisms</i> , 2022, 10, 985.	1.6	5
3242	Green synthesis of Zn/Cu oxide nanoparticles by <i>Vernicia fordii</i> seed extract: their photocatalytic activity toward industrial dye degradation and their biological activity. <i>Inorganic and Nano-Metal Chemistry</i> , 2023, 53, 388-400.	0.9	3
3243	Lactiplantibacillus plantarum-Derived Biosurfactant Attenuates Quorum Sensing-Mediated Virulence and Biofilm Formation in <i>Pseudomonas aeruginosa</i> and <i>Chromobacterium violaceum</i> . <i>Microorganisms</i> , 2022, 10, 1026.	1.6	13
3244	In vitro antioxidant and antibacterial activity of Quercetin isolated from <i>Indigofera aspalathoides</i> and Quercetin-Zinc metal complex. <i>International Journal of Health Sciences</i> , 0, , 4314-4326.	0.0	0
3245	Structure-Based Discovery of Lipoteichoic Acid Synthase Inhibitors. <i>Journal of Chemical Information and Modeling</i> , 2022, 62, 2586-2599.	2.5	13
3246	Boosting expression level of plectasin in recombinant <i>Pichia pastoris</i> via 2A self-processing peptide assembly. <i>Applied Microbiology and Biotechnology</i> , 2022, 106, 3669-3678.	1.7	4
3247	Synergistic Interaction Between Paired Combinations of Natural Antimicrobials Against Poultry-Borne Pathogens. <i>Frontiers in Microbiology</i> , 2022, 13, .	1.5	3
3248	Phage-antibiotic combination is a superior treatment against <i>Acinetobacter baumannii</i> in a preclinical study. <i>EBioMedicine</i> , 2022, 80, 104045.	2.7	40
3249	Identification of nitrofuranylchalcone tethered benzoxazole-2-amines as potent inhibitors of drug resistant <i>Mycobacterium tuberculosis</i> demonstrating bactericidal efficacy. <i>Bioorganic and Medicinal Chemistry</i> , 2022, 64, 116777.	1.4	7

#	ARTICLE	IF	CITATIONS
3250	PEGylated palladium doped ceria oxide nanoparticles (Pd-dop-CeO ₂ -PEG NPs) for inhibition of bacterial pathogens and human lung cancer cell proliferation. <i>Journal of Drug Delivery Science and Technology</i> , 2022, 72, 103367.	1.4	2
3251	Pharmacokinetics and pharmacokinetic/pharmacodynamic-based dosing regimens of long-acting oxytetracycline in Nile tilapia (<i>Oreochromis niloticus</i>) broodstock to minimize selection of drug resistance. <i>Aquaculture</i> , 2022, 557, 738302.	1.7	1
3252	Punicalagin inhibits biofilm formation and virulence gene expression of <i>Vibrio parahaemolyticus</i> . <i>Food Control</i> , 2022, 139, 109045.	2.8	21
3253	Evaluation of antimicrobial, anticancer potential and Flippase induced leakage in model membrane of <i>Centella asiatica</i> fabricated MgONPs. , 2022, 138, 212855.		8
3254	Antibacterial and antibiofilm activities of novel antimicrobial peptide DP7 against the periodontal pathogen <i>Porphyromonas gingivalis</i> . <i>Journal of Applied Microbiology</i> , 2022, 133, 1052-1062.	1.4	4
3255	Multifunctional fluorescent gold nanoclusters with enhanced aggregation-induced emissions (AIEs) and excellent antibacterial effect for bacterial imaging and wound healing. , 2022, 137, 212841.		8

3256

#	ARTICLE	IF	CITATIONS
3269	Investigation of the Role of <i>Leuconostoc mesenteroides</i> subsp. <i>cremoris</i> in Periodontitis around Abutments of Fixed Prostheses. <i>BioMed Research International</i> , 2022, 2022, 1-6.	0.9	3
3270	Thurincin H Is a Nonhemolytic Bacteriocin of <i>Bacillus thuringiensis</i> with Potential for Applied Use. <i>Probiotics and Antimicrobial Proteins</i> , 2023, 15, 955-966.	1.9	2
3271	Coordination Versatility of Metal Complexes in the Presence of Heterocyclic Bases as Auxiliary Ligands: Synthesis, Spectroscopic Studies, Structural Characterization, Antibacterial Activity and in Silico Docking Studies. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
3272	A Critical Review of the Antimicrobial and Antibiofilm Activities of Green-Synthesized Plant-Based Metallic Nanoparticles. <i>Nanomaterials</i> , 2022, 12, 1841.	1.9	17
3273	The Mn(II), Co(II), Ni(II) and Cu(II) complexes of (Z)-N'((1H-indol-3-yl)methylene)nicotinohydrazide Schiff base: synthesis, characterization and biological evaluation. <i>Journal of the Iranian Chemical Society</i> , 2022, 19, 3993-4004.	1.2	3
3274	Lugol's solution and Gentian violet eradicate methicillin-resistant <i>Staphylococcus aureus</i> biofilm in skin wound infections. <i>International Wound Journal</i> , 0, , .	1.3	2
3275	Dithienylethene-Bridged Fluoroquinolone Derivatives for Imaging-Guided Reversible Control of Antibacterial Activity. <i>Journal of Organic Chemistry</i> , 2022, 87, 7446-7455.	1.7	15
3276	Assessing the Activity of Antimicrobial Peptides Against Common Marine Bacteria Located in Rotifer (<i>Brachionus plicatilis</i>) Cultures. <i>Probiotics and Antimicrobial Proteins</i> , 0, , .	1.9	0
3277	Process optimized, valorized phenylpropanoid nutraceuticals of Citrus waste stabilize the zero-valent silver as effective antibiofilm agents against <i>Pseudomonas aeruginosa</i> . <i>Biomass Conversion and Biorefinery</i> , 0, , .	2.9	2
3278	Exploitation of Marginal Hilly Land in Tuscany through the Cultivation of <i>Lavandula angustifolia</i> Mill.: Characterization of Its Essential Oil and Antibacterial Activity. <i>Molecules</i> , 2022, 27, 3216.	1.7	3
3279	Strategic development to stabilize bioactive diallyl thiosulfinate by pH responsive non ionic micelle carrier system. <i>Process Biochemistry</i> , 2022, 120, 64-73.	1.8	6
3280	Phytochemical Screening, Antioxidant and Antifungal Activities of <i>Aconitum chasmanthum</i> Stapf ex Holmes Wild Rhizome Extracts. <i>Antioxidants</i> , 2022, 11, 1052.	2.2	7
3281	Open Chain Tetrabenzimidazolium Salts as Ligand Precursors for Silver(I)-&N-and;-Heterocyclic Carbene Complexes: Synthesis, Crystal Structure and Antibacterial Studies. <i>Materials Science Forum</i> , 0, 1061, 217-226.	0.3	0
3282	Harnessing Rare Actinomycete Interactions and Intrinsic Antimicrobial Resistance Enables Discovery of an Unusual Metabolic Inhibitor. <i>MBio</i> , 2022, 13, .	1.8	4
3283	Silver nanoparticles synthesized by the heavy metal resistant strain <i>Amycolatopsis tucumanensis</i> and its application in controlling red strip disease in sugarcane. <i>Heliyon</i> , 2022, 8, e09472.	1.4	3
3284	Selective pressure governs the composition, antibiotic, and heavy metal resistance profiles of <i>Aeromonas</i> spp. isolated from Ba River in Northwest China. <i>Environmental Science and Pollution Research</i> , 2022, 29, 75841-75850.	2.7	3
3285	A Cyclic Disulfide Diastereomer From Bioactive Fraction of <i>Bruguiera gymnorhiza</i> Shows Anti- <i>Pseudomonas aeruginosa</i> Activity. <i>Frontiers in Pharmacology</i> , 0, 13, .	1.6	2
3286	Naphthalimide-BODIPY dyads: Synthesis, characterization, photophysical properties, live cell imaging and antimicrobial effect. <i>Journal of Molecular Structure</i> , 2022, 1265, 133440.	1.8	5

#	ARTICLE	IF	CITATIONS
3287	Exploration of Isoxazoleâ€Carboxylic Acid Methyl Ester Based 2â€Substituted Quinoline Derivatives as Promising Antitubercular Agents. <i>Chemistry and Biodiversity</i> , 2022, 19, .	1.0	7
3288	Novel Retro-Inverso Peptide Antibiotic Efficiently Released by a Responsive Hydrogel-Based System. <i>Biomedicines</i> , 2022, 10, 1301.	1.4	5
3290	Isolation, Screening, and Active Metabolites Identification of Anti-Vibrio Fungal Strains Derived From the Beibu Gulf Coral. <i>Frontiers in Microbiology</i> , 2022, 13, .	1.5	1
3291	Antimicrobial activity and mechanisms of a derived antimicrobial peptide TroNKL-27 from golden pompano (<i>Trachinotus ovatus</i>) NK-lysin. <i>Fish and Shellfish Immunology</i> , 2022, 126, 357-369.	1.6	12
3294	Naturally Derived Fatty Acid Based Antibacterial Agents. <i>ACS Symposium Series</i> , 0, , 91-117.	0.5	3
3295	Catalytic Activity Enhancement by P and S Co-Doping of a Single-Atom Fe Catalyst for Peroxymonosulfate-Based Oxidation. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
3296	6-Bromo-2-naphthol from <i>Silene armeria</i> extract sensitizes <i>Acinetobacter baumannii</i> strains to polymyxin. <i>Scientific Reports</i> , 2022, 12, .	1.6	2
3297	Antibacterial Activity of the Pyrogallol against <i>Staphylococcus aureus</i> Evaluated by Optical Image. <i>Biologics</i> , 2022, 2, 139-150.	2.3	5
3298	One Day in Denmark: Comparison of Phenotypic and Genotypic Antimicrobial Susceptibility Testing in Bacterial Isolates From Clinical Settings. <i>Frontiers in Microbiology</i> , 0, 13, .	1.5	11
3299	Surface modification of Poly (methylâ€methacrylate) with farnesol to prevent <i>Candida</i> biofilm formation. <i>Letters in Applied Microbiology</i> , 0, , .	1.0	0
3300	Pharmacodynamic evaluation of piperacillin/tazobactam versus meropenem against extended-spectrum Î²-lactamase-producing and non-producing <i>Escherichia coli</i> clinical isolates in a hollow-fibre infection model. <i>Journal of Antimicrobial Chemotherapy</i> , 2022, 77, 2448-2455.	1.3	3
3301	High Osmotic Stress Increases OmpK36 Expression through the Regulation of KbvR to Decrease the Antimicrobial Resistance of <i>Klebsiella pneumoniae</i> . <i>Microbiology Spectrum</i> , 2022, 10, .	1.2	2
3302	Antibacterial activity of <i>Nephrolepis biserrata</i> extract against <i>Aeromonas hydrophila</i> and <i>Vibrio parahaemolyticus</i> . <i>IOP Conference Series: Earth and Environmental Science</i> , 2022, 1033, 012010.	0.2	1
3303	Biofilm Formation and Antimicrobial Susceptibility of <i>E. coli</i> Associated With Colibacillosis Outbreaks in Broiler Chickens From Saskatchewan. <i>Frontiers in Microbiology</i> , 0, 13, .	1.5	4
3304	Augmented in vitro and in vivo Profiles of Brimonidine Tartrate Using Gelatinized-Core Liposomes. <i>International Journal of Nanomedicine</i> , 0, Volume 17, 2753-2776.	3.3	7
3305	RNA-Seq Analysis of <i>Magnaporthe grisea</i> Transcriptome Reveals the High Potential of ZnO Nanoparticles as a Nanofungicide. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	4
3306	Antibacterial Activity of Romanian Propolis against <i>Staphylococcus aureus</i> Isolated from Dogs with Superficial Pyoderma: In Vitro Test. <i>Veterinary Sciences</i> , 2022, 9, 299.	0.6	3
3307	Bioconjugated Thymol-Zinc Oxide Nanocomposite as a Selective and Biocompatible Antibacterial Agent against <i>Staphylococcus</i> Species. <i>International Journal of Molecular Sciences</i> , 2022, 23, 6770.	1.8	4

#	ARTICLE	IF	CITATIONS
3308	Evolutionary action of mutations reveals antimicrobial resistance genes in Escherichia coli. Nature Communications, 2022, 13, .	5.8	11
3309	Synthesis, X-ray structure, antimicrobial activity, DFT and molecular docking studies of <i>N</i> -(thiophen-2-ylmethyl)thiophene-2-carboxamide. Acta Crystallographica Section C, Structural Chemistry, 2022, 78, 390-397.	0.2	2
3310	Pharmacodynamic evaluation of piperacillin/tazobactam against extended-spectrum β -lactamase-producing versus non-producing Escherichia coli in a hollow-fibre infection model. International Journal of Antimicrobial Agents, 2022, , 106623.	1.1	1
3311	<i>Drosophila</i> immunity: the <i>Drosocin</i> gene encodes two host defence peptides with pathogen-specific roles. Proceedings of the Royal Society B: Biological Sciences, 2022, 289, .	1.2	17

3312

#	ARTICLE	IF	CITATIONS
3328	Temporal dynamics of antibiotic resistant bacteria and antibiotic resistance genes in activated sludge upon exposure to starvation. <i>Science of the Total Environment</i> , 2022, 840, 156594.	3.9	12
3329	Transcriptomic regulation of <i>Salmonella Typhimurium</i> during sonophotocatalysis and the effect of stress adaptation on the antibiotic resistance and tolerance post-treatment. <i>Chemical Engineering Journal</i> , 2022, 446, 137442.	6.6	6
3330	Influence of red propolis on the physicochemical, microbiological and sensory characteristics of tilapia (<i>Oreochromis niloticus</i>) salami. <i>Food Chemistry</i> , 2022, 394, 133502.	4.2	11
3331	An In vitro Study to determine the antibacterial activity of chlorhexidine and herbal mouthrinses against <i>Enterococcus faecalis</i> . <i>Journal of Pharmacy and Bioallied Sciences</i> , 2022, 14, 995.	0.2	2
3332	Highly selective performance of rationally designed antimicrobial peptides based on ponicin-W1. <i>Biomaterials Science</i> , 2022, 10, 4848-4865.	2.6	9
3333	Coordination Versatility of Metal Complexes: Spectral Characterization, Crystal Structures, Biological Activity and in Silico Docking Studies. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
3334	Roles of chitosan in synthesis, antibacterial and anti-biofilm properties of bionano silver and gold. <i>RSC Advances</i> , 2022, 12, 19297-19312.	1.7	11
3336	Bis(indolyl)methane and 8-Hydroxyquinoline Derivative based Mixed Ligand Metal Complexes: Synthesis, Characterization, Antimicrobial Screening and Molecular Docking Study. <i>Asian Journal of Chemistry</i> , 2022, 34, 2041-2048.	0.1	1
3337	Antimicrobial efficacy of herbal and chlorhexidine mouthrinse against <i>Staphylococcus aureus</i> - An in vitro microbiological study. <i>Journal of Pharmacy and Bioallied Sciences</i> , 2022, 14, 318.	0.2	0
3338	Chemical composition, anticancer and antibacterial activity of <i>Nepeta mahanensis</i> essential oil. <i>BMC Complementary Medicine and Therapies</i> , 2022, 22, .	1.2	5
3339	Insight into the impacts and mechanisms of ketone stress on the antibiotic resistance in <i>Escherichia coli</i> . <i>Environmental Science and Pollution Research</i> , 2022, 29, 83746-83755.	2.7	6
3340	A Microtitre Plate Dilution Method for Minimum Killing Concentration Is Developed to Evaluate Metabolites-Enabled Killing of Bacteria by β -lactam Antibiotics. <i>Frontiers in Molecular Biosciences</i> , 0, 9, .	1.6	1
3342	Antibacterial Activity of Prenylated Flavonoids Isolated from Hop against Fish Pathogens <i>Streptococcus iniae</i> and <i>Vibrio vulnificus</i> . <i>Biotechnology and Bioprocess Engineering</i> , 2022, 27, 361-369.	1.4	5
3343	Detection by metagenomic functional analysis and improvement by experimental evolution of β -lactams resistance genes present in oil contaminated soils. <i>Scientific Reports</i> , 2022, 12, .	1.6	2
3344	Insights into the Antimicrobial Activities and Metabolomes of <i>Aquimarina</i> (Flavobacteriaceae,) Tj ETQq0 0 0 rgBT /Oygrlock 10 Tf 50 182	2.2	11
3345	Design, synthesis, and biological evaluation of dinuclear bismuth(III) complexes with Isoniazid-derived Schiff bases. <i>Journal of Inorganic Biochemistry</i> , 2022, 235, 111931.	1.5	9
3346	Synergistic Antimicrobial Effect of Antimicrobial Peptides CATH-1, CATH-3, and PMAP-36 With Erythromycin Against Bacterial Pathogens. <i>Frontiers in Microbiology</i> , 0, 13, .	1.5	9
3347	Formation and Parallel Manipulation of Gradient Droplets on a Self-Partitioning SlipChip for Phenotypic Antimicrobial Susceptibility Testing. <i>ACS Sensors</i> , 2022, 7, 1977-1984.	4.0	9

#	ARTICLE	IF	CITATIONS
3348	Fresh produce as a potential vehicle for transmission of <i>Acinetobacter baumannii</i> . <i>International Journal of Food Contamination</i> , 2022, 9, .	2.2	9
3349	Prophylactic Cefazolin Dosing in Obesity—a Systematic Review. <i>Obesity Surgery</i> , 2022, 32, 3138-3149.	1.1	9
3350	Nanohybrids of oxides nanoparticles-chitosan and their antimicrobial properties. <i>Nanotechnology</i> , 2022, 33, 435701.	1.3	2
3351	Gaz Alafi: A Traditional Dessert in the Middle East With Anticancer, Immunomodulatory, and Antimicrobial Activities. <i>Frontiers in Nutrition</i> , 0, 9, .	1.6	1
3352	Aminoglycoside-Modifying Enzymes Are Sufficient to Make <i>Pseudomonas aeruginosa</i> Clinically Resistant to Key Antibiotics. <i>Antibiotics</i> , 2022, 11, 884.	1.5	7
3353	Chlorogenic acid exerts antibacterial effects by affecting lipid metabolism and scavenging ROS in <i>Streptococcus pyogenes</i> . <i>FEMS Microbiology Letters</i> , 2022, 369, .	0.7	12
3354	<i>Kaempferia parviflora</i> Rhizome Extract as Potential Anti-Acne Ingredient. <i>Molecules</i> , 2022, 27, 4401.	1.7	7
3355	Mining Amphibian and Insect Transcriptomes for Antimicrobial Peptide Sequences with rAMPage. <i>Antibiotics</i> , 2022, 11, 952.	1.5	10
3356	The efficacy of commercial decontamination agents differs between standardised test settings and research laboratory usage for a variety of bacterial species. <i>PeerJ</i> , 0, 10, e13646.	0.9	3
3357	In silico identification of two peptides with antibacterial activity against multidrug-resistant <i>Staphylococcus aureus</i> . <i>Npj Biofilms and Microbiomes</i> , 2022, 8, .	2.9	11
3358	Green Synthesis, Characterization and Bio-evaluation of Zirconium Nanoparticles Using the Dried Biomass of <i>Sphagnetocola trilobata</i> Plant Leaf. <i>BioNanoScience</i> , 2022, 12, 731-740.	1.5	4
3359	Combined Action of Antibiotics and Bacteriocins against Vancomycin-Resistant Enterococci. <i>Microorganisms</i> , 2022, 10, 1423.	1.6	6
3360	Evaluation of Biological Activity of Natural Compounds: Current Trends and Methods. <i>Molecules</i> , 2022, 27, 4490.	1.7	12
3361	Chemical Composition and Antimicrobial Activity of Pummelo (<i>Citrus maxima</i>) Essential Oil Derived from Fruit Peel. <i>Journal of Essential Oil-bearing Plants: JEOP</i> , 0, , 1-12.	0.7	0
3362	Current methodologies for the assessment of deep eutectic systems toxicology: Challenges and perspectives. <i>Journal of Molecular Liquids</i> , 2022, 362, 119675.	2.3	6
3363	Radical scavenging and antimicrobial activities of diarylheptanoids and steroids from <i>Etingera calophrys</i> rhizome. <i>Sustainable Chemistry and Pharmacy</i> , 2022, 29, 100767.	1.6	1
3364	<i>Plectranthus amboinicus</i> (Lour.) Spreng. essential oil as a natural alternative for the conservation of beef patties stored under refrigeration. <i>Food Bioscience</i> , 2022, 49, 101896.	2.0	9
3365	Synthesis of a tricyclic hexapeptide “via two consecutive ruthenium-catalyzed macrocyclization steps” with a constrained topology to mimic vancomycin's binding properties toward D-Ala-D-Ala dipeptide. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2022, 73, 128887.	1.0	4

#	ARTICLE	IF	CITATIONS
3366	Facial amphiphilicity index correlating chemical structures with antimicrobial efficacy. <i>Bioactive Materials</i> , 2023, 20, 519-527.	8.6	6
3367	Bioevaluation of quinoline-4-carbonyl derivatives of piperazinyl-benzothiazinones as promising antimycobacterial agents. <i>Archiv Der Pharmazie</i> , 2022, 355, .	2.1	7
3368	Antimicrobial, antibiofilm, and anticancer potential of silver nanoparticles synthesized using pigment-producing <i>Micromonospora</i> sp. SH121. <i>Preparative Biochemistry and Biotechnology</i> , 2023, 53, 475-487.	1.0	3
3369	Graphene oxide/gallium nanoderivative as a multifunctional modulator of osteoblastogenesis and osteoclastogenesis for the synergistic therapy of implant-related bone infection. <i>Bioactive Materials</i> , 2023, 25, 594-614.	8.6	12
3370	Liposomes encapsulating novel antimicrobial peptide Omiganan: Characterization and its pharmacodynamic evaluation in atopic dermatitis and psoriasis mice model. <i>International Journal of Pharmaceutics</i> , 2022, 624, 122045.	2.6	16
3371	Novel Zinc(II) and Copper(II) Complexes of 2-((2-Hydroxyethyl)amino)quinoline-3-carbaldehyde for Antibacterial and Antioxidant Activities: A Combined Experimental, DFT, and Docking Studies. <i>ACS Omega</i> , 2022, 7, 26336-26352.	1.6	22
3372	Effects of Sodium Carbonate and Sodium Chloride on the Control of Black Rot Disease of <i>Mangifera indica</i> L. (Mango) Caused by <i>Aspergillus niger</i> . <i>Journal of Plant Sciences</i> , 2022, 17, 166-171.	0.2	0
3373	Exploration of Spirocyclic Derivatives of Ciprofloxacin as Antibacterial Agents. <i>Molecules</i> , 2022, 27, 4864.	1.7	5
3374	New antimicrobial peptide-antibiotic combination strategy for <i>Pseudomonas aeruginosa</i> inactivation. <i>Biointerphases</i> , 2022, 17, .	0.6	6
3375	<i>Neisseria gonorrhoeae</i> -derived outer membrane vesicles package β -lactamases to promote antibiotic resistance. <i>MicroLife</i> , 2022, 3, .	1.0	8
3376	Antibiofilm property and multiple action of peptide PEW300 against <i>Pseudomonas aeruginosa</i> . <i>Frontiers in Microbiology</i> , 0, 13, .	1.5	4
3377	Life Within a Contaminated Niche: Comparative Genomic Analyses of an Integrative Conjugative Element ICEnahCSV86 and Two Genomic Islands From <i>Pseudomonas bharratica</i> CSV86T Suggest Probable Role in Colonization and Adaptation. <i>Frontiers in Microbiology</i> , 0, 13, .	1.5	4
3378	Selenium-N-heterocyclic carbene (Se-NHC) complexes with higher aromaticity inhibit microbes: synthesis, structure, and biological potential. <i>Journal of Coordination Chemistry</i> , 2022, 75, 1915-1928.	0.8	8
3379	Identification of the antibacterial action mechanism of diterpenoids through transcriptome profiling. <i>Frontiers in Microbiology</i> , 0, 13, .	1.5	1
3380	Wound Healing Properties and Antimicrobial Effects of <i>Parkia clappertoniana</i> Keay Fruit Husk Extract in a Rat Excisional Wound Model. <i>BioMed Research International</i> , 2022, 2022, 1-18.	0.9	5
3381	(NH ₄) ₂ [Co(H ₂ O) ₆]2V ₁₀ O ₂₈ ·4H ₂ O Vs. (NH ₄) ₂ [Ni(H ₂ O) ₆]2V ₁₀ O ₂₈ ·4H ₂ O: Structural, Spectral and Thermal Analyses and Evaluation of Their Antibacterial Activities. <i>Journal of Cluster Science</i> , 2023, 34, 1535-1546.	1.7	2
3382	Dynamics of Genotypic and Phenotypic Antibiotic Resistance in a Conventional Wastewater Treatment Plant in 2 Years. <i>Frontiers in Microbiology</i> , 0, 13, .	1.5	5
3384	High Prevalence and Varied Distribution of Antibiotic-Resistant Bacteria in the Rhizosphere and Rhizoplane of <i>Citrus medica</i> . <i>Microorganisms</i> , 2022, 10, 1708.	1.6	2

#	ARTICLE	IF	CITATIONS
3385	Silver nanoparticle synthesis and their potency against multidrug-resistant bacteria: a green approach from tissue-cultured <i>Coleus forskohlii</i> . <i>3 Biotech</i> , 2022, 12, .	1.1	7
3386	In Vitro Assessment of the Combination of Antibiotics against Some Integron-Harboring Enterobacteriaceae from Environmental Sources. <i>Antibiotics</i> , 2022, 11, 1090.	1.5	4
3387	Alhagi maurorum extract modulates quorum sensing genes and biofilm formation in <i>Proteus mirabilis</i> . <i>Scientific Reports</i> , 2022, 12, .	1.6	2
3388	Colistin-degrading proteases confer collective resistance to microbial communities during polymicrobial infections. <i>Microbiome</i> , 2022, 10, .	4.9	6
3389	Antileishmanial Agents Co-loaded in Transfersomes with Enhanced Macrophage Uptake and Reduced Toxicity. <i>AAPS PharmSciTech</i> , 2022, 23, .	1.5	17
3390	Isolation and Characterization of the Lytic <i>Pseudoxanthomonas kaohsiungensi</i> Phage PW916. <i>Viruses</i> , 2022, 14, 1709.	1.5	4
3391	Chemical , functional and therapeutic properties of encapsulated black cumin extract in <i>Spirulina platensis</i> . <i>Journal of Food Processing and Preservation</i> , 0, , .	0.9	0
3393	Purine analogs: synthesis, evaluation and molecular dynamics of pyrazolopyrimidines based benzothiazole as anticancer and antimicrobial CDK inhibitors. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2023, 42, 77-104.	0.4	5
3394	Synthesis of Novel 1,4-Disubstituted Piperazines and Evaluation of Their Antibacterial Activities. <i>Organic Preparations and Procedures International</i> , 0, , 1-9.	0.6	1
3395	A large chromosomal inversion affects antimicrobial sensitivity of <i>Escherichia coli</i> to sodium deoxycholate. <i>Microbiology (United Kingdom)</i> , 2022, 168, .	0.7	2
3396	Potent Antibacterial Composite Nonwovens Functionalized with Bioactive Peptides and Polymers. <i>Advanced Materials Interfaces</i> , 2022, 9, .	1.9	2
3397	Antibacterial Activity and Mechanism of Action of Whey Protein- μ -Polylysine Complexes against <i>Staphylococcus aureus</i> and <i>Bacillus subtilis</i> . <i>Foods</i> , 2022, 11, 2311.	1.9	6
3398	Bicyclostreptins are radical SAM enzyme-modified peptides with unique cyclization motifs. <i>Nature Chemical Biology</i> , 2022, 18, 1135-1143.	3.9	16
3399	Short Tryptamine-Based Peptoids as Potential Therapeutics for Microbial Keratitis: Structure-Function Correlation Studies. <i>Antibiotics</i> , 2022, 11, 1074.	1.5	2
3400	Evaluation of the membrane damage mechanism of chlorogenic acid against <i>Bacillus cereus</i> and <i>Micrococcus luteus</i> a simulation study on antibacterial growth in food. <i>Journal of Food Safety</i> , 2022, 42, .	1.1	3
3401	Smoothies Reduce the Bioaccessibility of TiO ₂ (E 171) in the Model of the In Vitro Gastrointestinal Tract. <i>Nutrients</i> , 2022, 14, 3503.	1.7	1
3402	Proteome profiling of evolved methicillin-resistant <i>Staphylococcus aureus</i> strains with distinct daptomycin tolerance and resistance phenotypes. <i>Frontiers in Microbiology</i> , 0, 13, .	1.5	4
3403	In vitro Studies of Non-Diphtheriae <i>Corynebacterium</i> Isolates on Antimicrobial Susceptibilities, Drug Resistance Mechanisms, and Biofilm Formation Capabilities. <i>Infection and Drug Resistance</i> , 0, Volume 15, 4347-4359.	1.1	0

#	ARTICLE	IF	CITATIONS
3404	Enhancement of antibacterial activity by a copper(II) and zinc(II) in chelation with ethylenediaminetetra-acetic acid and urea complex. <i>Chemical Papers</i> , 2022, 76, 7163-7176.	1.0	2
3405	Exudates from <i>Miscanthus x giganteus</i> change the response of a root-associated <i>Pseudomonas putida</i> strain towards heavy metals. <i>Environmental Pollution</i> , 2022, 313, 119989.	3.7	3
3406	Surfaces with instant and persistent antimicrobial efficacy against bacteria and SARS-CoV-2. <i>Matter</i> , 2022, 5, 4076-4091.	5.0	3
3407	Phytochemical characterization and evaluation of antioxidant, antimicrobial, antibiofilm and anticancer activities of ethyl acetate seed extract of <i>Hydnocarpus laurifolia</i> (Dennst) Sleumer. <i>3 Biotech</i> , 2022, 12, .	1.1	1
3408	Prevalence, genetic diversity, antibiotic resistance and biofilm formation of <i>Acinetobacter baumannii</i> isolated from urban environments. <i>Journal of Applied Microbiology</i> , 2022, 133, 3617-3633.	1.4	9
3409	A Comparative Study of Hesperetin, Hesperidin and Hesperidin Glucoside: Antioxidant, Anti-Inflammatory, and Antibacterial Activities In Vitro. <i>Antioxidants</i> , 2022, 11, 1618.	2.2	47
3410	Zinc(II), Palladium(II), and Metal-Free Phthalocyanines Bearing Nipagin-Functionalized Substituents against <i>Candida auris</i> and Selected Multidrug-Resistant Microbes. <i>Pharmaceutics</i> , 2022, 14, 1686.	2.0	9
3411	Degradation of ciprofloxacin in aqueous solution using ozone microbubbles: spectroscopic, kinetics, and antibacterial analysis. <i>Heliyon</i> , 2022, 8, e10137.	1.4	20
3412	Novel \hat{I}^2 -Hairpin Peptide from Marine Polychaeta with a High Efficacy against Gram-Negative Pathogens. <i>Marine Drugs</i> , 2022, 20, 517.	2.2	5
3413	Isolation and anticancer activity evaluation of rare Bisaryl anthraquinone antibiotics from novel <i>Streptomyces</i> sp. strain of NW Himalayan region. <i>Chemico-Biological Interactions</i> , 2022, 365, 110093.	1.7	6
3414	Formulation design, statistical optimization and in vitro biological activities of nano-emulsion containing essential oil from cotton-lavender (<i>Santolina chamaecyparissus</i> L.). <i>Journal of Drug Delivery Science and Technology</i> , 2022, 75, 103664.	1.4	4
3415	Promoting effect of Fe ³⁺ on gentamicin resistance in <i>Escherichia coli</i> . <i>Biochemical and Biophysical Research Communications</i> , 2022, 625, 134-139.	1.0	2
3416	The evaluation of various biological properties for bismuth oxychloride nanoparticles (BiOCl NPs). <i>Inorganic Chemistry Communication</i> , 2022, 144, 109850.	1.8	7
3417	Accelerated antibiotic susceptibility testing of <i>pseudomonas aeruginosa</i> by monitoring extracellular electron transfer on a 3-D paper-based cell culture platform. <i>Biosensors and Bioelectronics</i> , 2022, 216, 114604.	5.3	6
3418	Investigating the antibacterial activity of nanostructured tungsten oxide prepared by pulsed laser ablation at different hydrogen peroxide concentrations. <i>Optical Materials</i> , 2022, 133, 112886.	1.7	10
3419	Brown propolis bioactive compounds as a natural antimicrobial in alginate films applied to <i>Piper nigrum</i> L. <i>Ciencia Rural</i> , 2023, 53, .	0.3	2
3420	Bacteriophage therapy for periprosthetic joint infections: Current limitations and research needed to advance this therapeutic. <i>Journal of Orthopaedic Research</i> , 2023, 41, 1097-1104.	1.2	5
3421	Effects of Medicinal Leech-Related Cationic Antimicrobial Peptides on Human Blood Cells and Plasma. <i>Molecules</i> , 2022, 27, 5848.	1.7	3

#	ARTICLE	IF	CITATIONS
3422	Detection of linezolid resistance cfr gene among MRSA isolates. <i>Journal of Infection and Public Health</i> , 2022, 15, 1142-1146.	1.9	7
3423	Bacterial FtsZ inhibition by benzo[<i>d</i>]imidazole-2-carboxamide derivative with anti-TB activity. <i>Future Medicinal Chemistry</i> , 2022, 14, 1361-1373.	1.1	6
3424	The water extract of Aloe vera prevents fluoxetine-induced multiple-drug resistance of E. coli by inhibiting reactive oxygen species formation and membrane permeability. <i>Phytomedicine</i> , 2022, 106, 154421.	2.3	3
3425	Pulmonary surfactant and drug delivery: Vehiculization of a tryptophan-tagged antimicrobial peptide over the air-liquid interfacial highway. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2022, 180, 33-47.	2.0	7
3426	Antibacterial activity and action mechanism of flavonoids against phytopathogenic bacteria. <i>Pesticide Biochemistry and Physiology</i> , 2022, 188, 105221.	1.6	15
3427	Hybrid IncFIA/FIB/FIC(FII) plasmid co-carrying bla _{NDM-5} and fosA3 from an Escherichia coli ST117 strain of retail chicken. <i>International Journal of Food Microbiology</i> , 2022, 382, 109914.	2.1	3
3428	Cyclic N-locked indolicidin analogues with antimicrobial activity: Effect of ring size and fatty acid acylation. <i>European Journal of Medicinal Chemistry Reports</i> , 2022, 6, 100080.	0.6	0
3429	Electroexplosive synthesis of composite ZnO/ZnFe ₂ O ₄ /Zn nanoparticles with photocatalytic and antibacterial activity. <i>Materials Science in Semiconductor Processing</i> , 2022, 152, 107076.	1.9	2
3430	An optotracer-based antibiotic susceptibility test specifically targeting the biofilm lifestyle of Salmonella. <i>Biofilm</i> , 2022, 4, 100083.	1.5	3
3431	Structural elucidation, voltammetric detection of dopamine, molecular docking and biological inspection of novel 4-aminoantipyrine derived Schiff bases in Co (II), Ni (II) and Cu (II) complexes. <i>Inorganica Chimica Acta</i> , 2022, 543, 121191.	1.2	7
3432	An in silico-in vitro antimalarial and antimicrobial investigation of newer 7-chloroquinoline based Schiff-bases. <i>Journal of Molecular Structure</i> , 2023, 1271, 134016.	1.8	35
3433	Antimicrobial Activity of Typha angustata Bory and Chaub Inflorescence Against Wound Associated Bacteria. <i>Arab Gulf Journal of Scientific Research</i> , 2020, , 63-74.	0.3	0
3434	Docosahexaenoic Acid Inhibits Pheromone-Responsive-Plasmid-Mediated Conjugative Transfer of Antibiotic Resistance Genes in Enterococcus Faecalis. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
3435	Evaluation of Amyloid Inhibitor Efficiency to Block Bacterial Survival. <i>Methods in Molecular Biology</i> , 2022, , 145-163.	0.4	4
3436	Advances in antimicrobial resistance testing. <i>Advances in Clinical Chemistry</i> , 2022, , 1-68.	1.8	2
3437	Molecular identification of major bacteria in honey and the effect of microwave treatment on its microbial quality and antibacterial activity. <i>AIMS Agriculture and Food</i> , 2022, 7, 594-613.	0.8	2
3438	Novel tributyl phosphate-based hydrophobic deep eutectic solvent: application in simultaneous liquid-liquid microextraction of parabens and their metabolite in surface water samples. <i>Green Chemistry</i> , 2022, 24, 8005-8013.	4.6	5
3439	Deciphering the Biotransformation Mechanism of Dialkylresorcinols by CYP4F11. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0

#	ARTICLE	IF	CITATIONS
3440	Physicochemical properties and antibacterial activity of Pt nanoparticles on TiO ₂ nanotubes as electrocatalyst for methanol oxidation reaction. <i>Results in Chemistry</i> , 2022, 4, 100531.	0.9	1
3441	Antioxidant, Antibacterial, and Cytotoxic Effect of in Vitro Callus and in Vivo Rhizome of Paris Polyphylla Sm. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
3442	Microbiome-derived antimicrobial peptides offer therapeutic solutions for the treatment of <i>Pseudomonas aeruginosa</i> infections. <i>Npj Biofilms and Microbiomes</i> , 2022, 8, .	2.9	11
3443	Extraction, Chemical Compositions and Biological Activities of Essential Oils of <i>Cinnamomum verum</i> Cultivated in Vietnam. <i>Processes</i> , 2022, 10, 1713.	1.3	5
3444	Examining Topoisomers of a Snake-Venom-Derived Peptide for Improved Antimicrobial and Antitumoral Properties. <i>Biomedicines</i> , 2022, 10, 2110.	1.4	5
3445	Tibetan medicine salidroside improves host anti-mycobacterial response by boosting inflammatory cytokine production in zebrafish. <i>Frontiers in Pharmacology</i> , 0, 13, .	1.6	3
3446	Mechanistic study of the antibacterial potential of the prenylated flavonoid auricularin against <i>Escherichia coli</i> . <i>Archiv Der Pharmazie</i> , 2022, 355, .	2.1	5
3447	Breaking down antibiotic resistance in methicillin-resistant <i>Staphylococcus aureus</i> : Combining antimicrobial photodynamic and antibiotic treatments. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	19
3448	Microbial Biosynthesis of Chrysazin Derivatives in Recombinant <i>Escherichia coli</i> and Their Biological Activities. <i>Molecules</i> , 2022, 27, 5554.	1.7	9
3449	Involvement of Porcine β -Defensin 129 in Sperm Capacitation and Rescue of Poor Sperm in Genital Tract Infection. <i>International Journal of Molecular Sciences</i> , 2022, 23, 9441.	1.8	2
3450	New Quinazolin-4(3H)-one Derivatives Incorporating Hydrazone and Pyrazole Scaffolds as Antimicrobial Agents Targeting DNA Gyrase Enzyme. <i>Scientia Pharmaceutica</i> , 2022, 90, 52.	0.7	14
3451	The Multifunctional Role of Poloxamer P338 as a Biofilm Disrupter and Antibiotic Enhancer: A Small Step forward against the Big Trouble of Catheter-Associated <i>Escherichia coli</i> Urinary Tract Infections. <i>Microorganisms</i> , 2022, 10, 1757.	1.6	1
3454	Effect of NZ2114 against <i>Streptococcus dysgalactiae</i> biofilms and its application in murine mastitis model. <i>Frontiers in Microbiology</i> , 0, 13, .	1.5	3
3455	Antimicrobial and Detoxification Study of Novel Luminescent CuO Nanoparticles Synthesized by White Garland Lily Leaves Extract. <i>BioNanoScience</i> , 2022, 12, 1086-1096.	1.5	2
3456	A designed cyclic analogue of gomesin has potent activity against <i>Staphylococcus aureus</i> biofilms. <i>Journal of Antimicrobial Chemotherapy</i> , 2022, 77, 3256-3264.	1.3	4
3457	Antimicrobial efficacy of extracts of Saudi Arabian desert <i>Terfezia clavaryi</i> truffles. <i>Saudi Journal of Biological Sciences</i> , 2022, 29, 103462.	1.8	0
3458	Effects of Nutrient Level and Growth Rate on the Conjugation Process That Transfers Mobile Antibiotic Resistance Genes in Continuous Cultures. <i>Applied and Environmental Microbiology</i> , 2022, 88, .	1.4	4
3459	Extraction and Physicochemical Characterization of Chitosan from Mantis Shrimp (<i>Oratosquilla</i>) Tj ETQq1 1 0.784314 rgBT /Overl	2.0	10

#	ARTICLE	IF	CITATIONS
3460	Detection of <i>optrA</i> and <i>poxxA</i> genes in linezolid-resistant <i>Enterococcus</i> isolates from fur animals in China. <i>Letters in Applied Microbiology</i> , 2022, 75, 1590-1595.	1.0	4
3461	Triclosan antimicrobial activity against dental-caries-related bacteria. <i>Brazilian Journal of Oral Sciences</i> , 0, 22, e238076.	0.1	2
3462	<i>Pseudomonas aeruginosa</i> persister cell formation upon antibiotic exposure in planktonic and biofilm state. <i>Scientific Reports</i> , 2022, 12, .	1.6	2
3463	Effect of calcium fluoride nanoparticles in prevention of demineralization during orthodontic fixed appliance treatment: a randomized clinical trial. <i>European Journal of Orthodontics</i> , 0, , .	1.1	3
3464	Synthesis of Biomolecule Functionalized Biocompatible Silver Nanoparticles for Antioxidant and Antibacterial Applications. <i>Coatings</i> , 2022, 12, 1292.	1.2	3
3465	Antibacterial Regularity Mining Beneath the Systematic Activity Database of Lipopeptides Brevilaterins: An Instructive Activity Handbook for Its Food Application. <i>Foods</i> , 2022, 11, 2991.	1.9	2
3466	Functional and Structural Characterization of OXA-935, a Novel OXA-10-Family β -Lactamase from <i>Pseudomonas aeruginosa</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2022, 66, .	1.4	3
3467	Antibiotic-free Self-assembled Polypeptide Nanomicelles for Bacterial Keratitis. <i>ACS Applied Polymer Materials</i> , 2022, 4, 7250-7257.	2.0	6
3468	Evaluation of the nutritional value of bee pollen by palynological, antioxidant, antimicrobial, and elemental characteristics. <i>European Food Research and Technology</i> , 2023, 249, 307-325.	1.6	5
3469	Novel 5-Nitrofurantoin-Tagged Imidazo-Fused Azines and Azoles Amenable by the Groebke-Bickelmann-Bienayme Multicomponent Reaction: Activity Profile against ESKAPE Pathogens and Mycobacteria. <i>Biomedicines</i> , 2022, 10, 2203.	1.4	2
3470	17BIPHE2, an engineered cathelicidin antimicrobial peptide with low susceptibility to proteases, is an effective spermicide and microbicide against <i>Neisseria gonorrhoeae</i> . <i>Human Reproduction</i> , 2022, 37, 2503-2517.	0.4	5
3471	Antibacterial Gilvocarcin-Type Aryl-Glycosides from a Soil-Derived <i>Streptomyces</i> Species. <i>Journal of Natural Products</i> , 2022, 85, 2282-2289.	1.5	4
3472	WYBQ-4: a New Bactericidal Agent against Methicillin-Resistant <i>Staphylococcus aureus</i> . <i>Microbiology Spectrum</i> , 2022, 10, .	1.2	2
3473	RecT Affects Prophage Lifestyle and Host Core Cellular Processes in <i>Pseudomonas aeruginosa</i> . <i>Applied and Environmental Microbiology</i> , 2022, 88, .	1.4	2
3474	Fitness Trade-Offs in Phage Cocktail-Resistant <i>Salmonella enterica</i> Serovar Enteritidis Results in Increased Antibiotic Susceptibility and Reduced Virulence. <i>Microbiology Spectrum</i> , 2022, 10, .	1.2	14
3475	An easily modifiable conjugative plasmid for studying horizontal gene transfer. <i>Plasmid</i> , 2022, 123-124, 102649.	0.4	1
3476	The combination of diethyldithiocarbamate and copper ions is active against <i>Staphylococcus aureus</i> and <i>Staphylococcus epidermidis</i> biofilms in vitro and in vivo. <i>Frontiers in Microbiology</i> , 0, 13, .	1.5	10
3477	Chimeric natural products derived from medetomidin and the nature-inspired construction of their polycyclic skeletons. <i>Nature Communications</i> , 2022, 13, .	5.8	5

#	ARTICLE	IF	CITATIONS
3478	Development and Characterization of a Novel Sustainable Probiotic Goat Whey Cheese Containing Second Cheese Whey Powder and Stabilized with Thyme Essential Oil and Sodium Citrate. <i>Foods</i> , 2022, 11, 2698.	1.9	5
3479	Epidemiological characteristics an outbreak of ST11 multidrug-resistant and hypervirulent <i>Klebsiella pneumoniae</i> in Anhui, China. <i>Frontiers in Microbiology</i> , 0, 13, .	1.5	8
3480	What Approaches to Thwart Bacterial Efflux Pumps-Mediated Resistance?. <i>Antibiotics</i> , 2022, 11, 1287.	1.5	12
3481	Dinuclear bismuth(III) complex constructed by isoniazidâ€derived Schiff base: Synthesis, crystal structure, and biological activity. <i>Applied Organometallic Chemistry</i> , 2022, 36, .	1.7	2
3482	The design of cell-selective tryptophan and arginine-rich antimicrobial peptides by introducing hydrophilic uncharged residues. <i>Acta Biomaterialia</i> , 2022, 153, 557-572.	4.1	13
3483	Lipid-Coated Hybrid Nanoparticles for Enhanced Bacterial Biofilm Penetration and Antibiofilm Efficacy. <i>ACS Omega</i> , 2022, 7, 35814-35824.	1.6	7
3484	Self-Assembled Peptide Hydrogel for Accelerated Wound Healing: Impact of N-Terminal and C-Terminal Modifications. <i>ChemBioChem</i> , 2022, 23, .	1.3	6
3486	Films of biopolymers, pectin and gellan, enriched with natamycin and clove essential oils for the packaging of Corn tortilla: Protection against <i>Staphylococcus aureus</i> and <i>Candida parapsilosis</i> . <i>Food Microbiology</i> , 2023, 110, 104156.	2.1	7
3487	Discovery of cryptolepine derivatives as novel promising agents against phytopathogenic bacteria. <i>Frontiers of Chemical Science and Engineering</i> , 0, , .	2.3	1
3488	Synthesis, characterization, and in vitro antibacterial assays of a new mixed-ligand oxidovanadium (IV) complex. <i>Chemical Papers</i> , 0, , .	1.0	0
3489	Cycloaspeptide H, a cyclopentapeptide from the endophytic fungus <i>Penicillium virgatum</i> . <i>Natural Product Research</i> , 2024, 38, 486-492.	1.0	0
3490	Engineering Self-Assembled Endolysin Nanoparticles against Antibiotic-Resistant Bacteria. <i>ACS Applied Bio Materials</i> , 2022, 5, 4993-5003.	2.3	8
3491	Azithromycin resistance genes in <i>Escherichia coli</i> isolated from wastewater: Characterization and modeling-based evaluation of factors affecting the prevalence. <i>Chemical Engineering Research and Design</i> , 2022, 168, 32-41.	2.7	4
3492	Inflammatory bowel disease-associated adherent-invasive <i>Escherichia coli</i> have elevated host-defense peptide resistance. <i>FEMS Microbiology Letters</i> , 2022, 369, .	0.7	6
3493	Antimicrobial activity of traditional and newly synthesized surface-active agents as a basis for the creation of new disinfectants. <i>NaUKMA Research Papers Biology and Ecology</i> , 0, 5, 25-32.	0.1	0
3494	An in vitro analysis on antagonistic activities of actinomycetes recovered from caves of Garhwal Himalaya against drug resistant pathogens. <i>Research Journal of Pharmacy and Technology</i> , 2022, , 3893-3897.	0.2	0
3495	Evaluation of Biofilm Inhibitory Efficacy of <i>Bacopa monnieri</i> , <i>Acalypha indica</i> and <i>Calotropis gigantea</i> Extracts and their Combination Against Wound Colonizing Bacteria <i>Pseudomonas aeruginosa</i> and <i>Staphylococcus Aureus</i> . <i>International Journal of Life Science and Pharma Research</i> , 0, , P198-P206.	0.1	0
3496	Methods and criteria for validating the multimodal functions of perinatal derivatives when used in oncological and antimicrobial applications. <i>Frontiers in Bioengineering and Biotechnology</i> , 0, 10, .	2.0	3

#	ARTICLE	IF	CITATIONS
3497	The identification of <i>Pseudomonas aeruginosa</i> persists using flow cytometry. <i>Microbiology (United Kingdom)</i> , 2022, 10, 1037-1042.	0.9	2
3498	Antibiofilm Combinatory Strategy: Moxifloxacin-Loaded Nanosystems and Encapsulated N-Acetyl-L-Cysteine. <i>Pharmaceutics</i> , 2022, 14, 2294.	2.0	3
3500	Antimicrobial and Antioxidant Activity of Apricot (<i>Mimusopsis comersonii</i>) Phenolic-Rich Extract and Its Application as an Edible Coating for Fresh-Cut Vegetable Preservation. <i>BioMed Research International</i> , 2022, 2022, 1-10.	0.9	1
3501	Discovery of 2-(4-hydroxybenzyl)-2-acetylcyclohexanone, a Novel FtsZ Inhibitor. <i>Molecules</i> , 2022, 27, 6993.	1.7	3
3502	Identification of 1,3-Substituted Pyrazole-Based Carboxamide Derivatives as Potent Antitubercular Agents. <i>ChemistrySelect</i> , 2022, 7, .	0.7	3
3503	Conjugative transfer of multi-drug resistance IncN plasmids from environmental waterborne bacteria to <i>Escherichia coli</i> . <i>Frontiers in Microbiology</i> , 2023, 13, .	1.5	4
3504	Comparative evaluation of the antifungal efficacy of sodium hypochlorite, chlorhexidine, and silver nanoparticles against <i>Candida albicans</i> . <i>Microscopy Research and Technique</i> , 2022, 85, 3755-3760.	1.2	6
3505	Detection and Quantification of Antimicrobial-Resistant Cells in Aquatic Environments by Biorthogonal Noncanonical Amino Acid Tagging. <i>Environmental Science & Technology</i> , 2022, 56, 15685-15694.	4.6	2
3506	Vaterite vectors for the protection, storage and release of silver nanoparticles. <i>Journal of Colloid and Interface Science</i> , 2023, 631, 165-180.	5.0	5
3507	Integrative Assessment of Reduced <i>Listeria monocytogenes</i> Susceptibility to Benzalkonium Chloride in Produce Processing Environments. <i>Applied and Environmental Microbiology</i> , 2023, .	1.4	0
3508	Development of Antimicrobial Peptide-Antibiotic Conjugates to Improve the Outer Membrane Permeability of Antibiotics Against Gram-Negative Bacteria. <i>ACS Infectious Diseases</i> , 2022, 8, 2339-2347.	1.8	11
3509	Copper-carbon hybrid nanoparticles as antimicrobial additives. <i>MRS Communications</i> , 2022, 12, 1197-1203.	0.8	2
3511	Computer-aided design of proline-rich antimicrobial peptides based on the chemophysical properties of a peptide isolated from <i>Olivancillaria hiatula</i> . <i>Journal of Biomolecular Structure and Dynamics</i> , 2023, 41, 8254-8275.	2.0	4
3513	Preventing Antibiotic-Resistant Infections: Additively Manufactured Porous Ti6Al4V Biofunctionalized with Ag and Fe Nanoparticles. <i>International Journal of Molecular Sciences</i> , 2022, 23, 13239.	1.8	5
3514	Antimicrobial Peptides Can Generate Tolerance by Lag and Interfere with Antimicrobial Therapy. <i>Pharmaceutics</i> , 2022, 14, 2169.	2.0	3
3515	Cecropin A Improves the Antibacterial Activity of Hen Egg White Lysozyme against Challenging <i>Salmonella enterica</i> Serovars. <i>Pharmaceutics</i> , 2022, 14, 2201.	2.0	0
3516	Urinary Catheters Coated with a Novel Biofilm Preventative Agent Inhibit Biofilm Development by Diverse Bacterial Uropathogens. <i>Antibiotics</i> , 2022, 11, 1514.	1.5	8
3517	Doderlin: isolation and characterization of a broad-spectrum antimicrobial peptide from <i>Lactobacillus acidophilus</i> . <i>Research in Microbiology</i> , 2023, 174, 103995.	1.0	6

#	ARTICLE	IF	CITATIONS
3518	A small molecule inhibitor prevents gut bacterial genotoxin production. <i>Nature Chemical Biology</i> , 2023, 19, 159-167.	3.9	15
3519	Antibacterial mechanism of forsythoside A against <i>Pseudomonas syringae</i> pv. <i>actinidiae</i> . <i>Microbial Pathogenesis</i> , 2022, 173, 105858.	1.3	3
3520	Isoxazole carboxylic acid methyl ester-based urea and thiourea derivatives as promising antitubercular agents. <i>Molecular Diversity</i> , 2023, 27, 2037-2052.	2.1	2
3521	Optimization and multiple in vitro activity potentials of carotenoids from marine <i>Kocuria</i> sp. RAM1. <i>Scientific Reports</i> , 2022, 12, .	1.6	6
3522	Biomimetic antimicrobial polymersâ€™ Design, characterization, antimicrobial, and novel applications. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2023, 15, .	3.3	4
3523	Distinct Antibacterial Activities of Nanosized Cationic Liposomes against Gram-Negative Bacteria Correlate with Their Heterogeneous Fusion Interactions. <i>ACS Applied Nano Materials</i> , 2022, 5, 15201-15210.	2.4	4
3524	Identification of Persister Drug Combination Clinafloxacin + Cefuroxime + Gentamicin That Eradicates Persistent <i>Pseudomonas aeruginosa</i> Infection in a Murine Cystic Fibrosis Model. <i>Infectious Microbes & Diseases</i> , 2023, 5, 21-28.	0.5	3
3525	Ultrasound responsive microcapsules for antibacterial nanodrug delivery. <i>Nano Research</i> , 2023, 16, 2738-2748.	5.8	9
3526	Green Biosynthesis of Silver Nanoparticles Using <i>Annona glabra</i> and <i>Annona squamosa</i> Extracts with Antimicrobial, Anticancer, Apoptosis Potentials, Assisted by In Silico Modeling, and Metabolic Profiling. <i>Pharmaceuticals</i> , 2022, 15, 1354.	1.7	9
3527	A low-cost, open-source evolutionary bioreactor and its educational use. <i>ELife</i> , 0, 11, .	2.8	2
3528	Strategy of Integrating Ultraviolet Absorption and Antimicrobial Activity in a Single Molecule: DFT Calculation and Experiment. <i>ACS Omega</i> , 2022, 7, 41575-41580.	1.6	1
3529	Serendipitous identification of Phenylhydrazine derivatives as potent inhibitors of Carbapenem-resistant <i>Acinetobacter baumannii</i> . <i>Future Medicinal Chemistry</i> , 0, , .	1.1	0
3530	Inhalable ceftazidime-roflumilast powder targeting infection and inflammation: Influence of incorporating roflumilast into ceftazidime-leucine co-amorphous formulation. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2022, 180, 260-268.	2.0	2
3531	<i>Lactobacillus sakei</i> MJM60958 as a Potential Probiotic Alleviated Non-Alcoholic Fatty Liver Disease in Mice Fed a High-Fat Diet by Modulating Lipid Metabolism, Inflammation, and Gut Microbiota. <i>International Journal of Molecular Sciences</i> , 2022, 23, 13436.	1.8	15
3532	In Vitro Antimicrobial Effects and Inactivation Mechanisms of 5,8-Dihydroxy-1,4-Napthoquinone. <i>Antibiotics</i> , 2022, 11, 1537.	1.5	3
3533	Antimicrobial potency, prevention ability, and killing efficacy of daptomycin-loaded versus vancomycin-loaded β -tricalcium phosphate/calcium sulfate for methicillin-resistant <i>Staphylococcus aureus</i> biofilms. <i>Frontiers in Microbiology</i> , 0, 13, .	1.5	1
3534	Acyl chain length tuning improves antimicrobial potency and biocompatibility of short designed lipopeptides. <i>Journal of Colloid and Interface Science</i> , 2023, 630, 911-923.	5.0	4
3535	Epidemiology of carbapenem-resistant <i>Klebsiella pneumoniae</i> ST15 of producing KPC-2, SHV-106 and CTX-M-15 in Anhui, China. <i>BMC Microbiology</i> , 2022, 22, .	1.3	5

#	ARTICLE	IF	CITATIONS
3536	Adding a new dimension: Multi-level structure and organization of mixed-species <i>Pseudomonas aeruginosa</i> and <i>Staphylococcus aureus</i> biofilms in a 4-D wound microenvironment. <i>Biofilm</i> , 2022, 4, 100087.	1.5	7
3537	Antibiofilm properties of biosurfactants: A tool against the food pathogens. , 2023, , 91-110.		0
3538	Catalytic activity enhancement by P and S co-doping of a single-atom Fe catalyst for peroxymonosulfate-based oxidation. <i>Chemical Engineering Journal</i> , 2023, 453, 139890.	6.6	13
3539	Lipase-catalyzed synthesis of antibacterial and antioxidative erythorbyl ricinoleate with high emulsifying activity. <i>Food Chemistry</i> , 2023, 404, 134697.	4.2	5
3540	Electrochemical determination of glucose and H ₂ O ₂ using Co(II), Ni(II), Cu(II) complexes of novel 2-(1,3-benzothiazol-2-ylamino)-N-(5-chloro-2-hydroxyphenyl)acetamide: Synthesis, structural characterisation, antimicrobial, anticancer activity and docking studies. <i>Journal of Molecular Structure</i> , 2023, 1274, 134483.	1.8	2
3541	Docosahexaenoic acid inhibits pheromone-responsive-plasmid-mediated conjugative transfer of antibiotic resistance genes in <i>Enterococcus faecalis</i> . <i>Journal of Hazardous Materials</i> , 2023, 444, 130390.	6.5	2
3542	Molecular exposition of broad-spectrum antibacterial efficacy by p-coumaric acid from an edible mushroom <i>Termitomyces heimii</i> : in vitro and in silico approach. <i>Systems Microbiology and Biomanufacturing</i> , 0, , .	1.5	0
3543	Antimicrobial Activity and Sorption Behavior of Al ₂ O ₃ /Ag Nanocomposites Produced with the Water Oxidation of Bimetallic Al/Ag Nanoparticles. <i>Nanomaterials</i> , 2022, 12, 3888.	1.9	0
3544	Novel Alligator Cathelicidin As-CATH8 Demonstrates Anti-Infective Activity against Clinically Relevant and Crocodylian Bacterial Pathogens. <i>Antibiotics</i> , 2022, 11, 1603.	1.5	3
3545	Antimicrobial resistance in fish and poultry: Public health implications for animal source food production in Nigeria, Egypt, and South Africa. , 0, 1, .		4
3546	A Membrane Curvature Modulated Lipopeptide to Broadly Combat Multidrug-Resistant Bacterial Pneumonia with Low Resistance Risk. <i>ACS Nano</i> , 2022, 16, 20545-20558.	7.3	8
3547	Targeting Vancomycin-Resistant <i>Enterococci</i> (VRE) Infections and Van Operon-Mediated Drug Resistance Using Dimeric Cholic Acid-Peptide Conjugates. <i>Journal of Medicinal Chemistry</i> , 2022, 65, 15312-15326.	2.9	5
3548	Synthesis and Biological Characterization of Fluorescent Cyclopostins and Cyclopostin Analogues: New Insights for the Diagnosis of Mycobacterial-Related Diseases. <i>ACS Infectious Diseases</i> , 2022, 8, 2564-2578.	1.8	1
3549	Bio-Functionalized Manganese Nanoparticles Suppress Fusarium Wilt in Watermelon (<i>Citrullus</i>) Tj ETQq1 1 0.784314 rgBT /Over Community Modulation. <i>Small</i> , 2023, 19, .	5.2	22
3550	<i>Lactobacillus reuteri</i> MJM60668 Prevent Progression of Non-Alcoholic Fatty Liver Disease through Anti-Adipogenesis and Anti-Inflammatory Pathway. <i>Microorganisms</i> , 2022, 10, 2203.	1.6	6
3551	A comparison of mining methods to extract novel bacteriocins from <i>Lactiplantibacillus plantarum</i> NWAUFU-BIO-BS29. <i>Analytical Biochemistry</i> , 2023, 661, 114938.	1.1	7
3552	<i>Eremostachys molucelloides</i> Bunge'nin Antimikrobiyal Etkileri Āezerine Bir AraĀtĀrma. <i>KahramanmaraĀ SĀtĀrma Āeniversitesi TarĀm Ve DoĀya Dergisi</i> , 2022, 25, 402-410.	0.2	0
3553	Non-toxic antimicrobial peptide Hm-AMP2 from leech metagenome proteins identified by the gradient-boosting approach. <i>Materials and Design</i> , 2022, 224, 111364.	3.3	3

#	ARTICLE	IF	CITATIONS
3554	Antioxidant properties, element contents and antimicrobial activities of bee pollen collected by <i>Apis mellifera</i> L. in Türkiye. Spanish Journal of Agricultural Research, 2022, 20, e0506.	0.3	1
3555	Synthesis and Evaluation of Antimicrobial Activity of N-Substituted Indole Derivatives and Molecular Docking Studies. Current Organic Chemistry, 2022, 26, 1565-1574.	0.9	1
3556	Synthesis and characterization of Co(II)-Co(III) LDH and Ac@Co(II)-Co(III) LDH nanohybrid and study of its application as bactericidal agents. Results in Chemistry, 2022, 4, 100671.	0.9	2
3557	Reduced bioaccessibility of TiO ₂ (E 171) during puree soup digestion in a gastrointestinal tract simulated in vitro. Food Research International, 2023, 164, 112189.	2.9	0
3558	Isocyanides in med chem: A scaffold hopping approach for the identification of novel 4-isocyanophenylamides as potent antibacterial agents against methicillin-resistant <i>Staphylococcus aureus</i> . European Journal of Medicinal Chemistry, 2023, 246, 114950.	2.6	0
3559	Preliminary report on the hemagglutinating activity of the <i>Scorpaena plumieri</i> fish venom. Anais Da Academia Brasileira De Ciencias, 2022, 94, .	0.3	0
3560	Chemical investigation of <i>Buddleja officinalis</i> leaves and localization of defensive triterpenoids to its glandular trichomes. Fitosoterapia, 2023, 164, 105379.	1.1	3
3561	A facile and light-controllable drug combination for enhanced photopharmacology. Organic and Biomolecular Chemistry, 2023, 21, 1021-1026.	1.5	3
3562	Surface chemistry dependent toxicity of inorganic nanostructure glycoconjugates on bacterial cells and cancer cell lines. Journal of Drug Delivery Science and Technology, 2023, 79, 104054.	1.4	2
3563	Antimicrobial peptide-grafted PLGA-PEG nanoparticles to fight bacterial wound infections. Biomaterials Science, 2023, 11, 499-508.	2.6	4
3564	Deciphering the biotransformation mechanism of dialkylresorcinols by CYP4F11. Bioorganic Chemistry, 2023, 131, 106330.	2.0	1
3565	Determination of antibiotic resistance profile of bacterial community from environmental water using antibiotic-resistant bacterial contamination detection (ABCD) kit. Biosensors and Bioelectronics, 2023, 221, 114943.	5.3	5
3566	Fluorophore-tagged poly(L-Lysine) block copolymer nano-assemblies for real-time visualization and antimicrobial activity. European Polymer Journal, 2023, 183, 111754.	2.6	2
3567	The anti-platelet drug ticlopidine inhibits FapC fibrillation and biofilm production: Highlighting its antibiotic activity. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2023, 1871, 140883.	1.1	1
3568	Heightened variability observed in resistance and virulence genes across salmonella Kentucky isolates from poultry environments in British Columbia, Canada. Food Microbiology, 2023, 111, 104192.	2.1	1
3569	Characterizing the role of phosphatidylglycerol-phosphate phosphatases in <i>Acinetobacter baumannii</i> cell envelope biogenesis and antibiotic resistance. Cell Surface, 2023, 9, 100092.	1.5	6
3570	Synthesis of Novel 3-(Piperazin-1-yl)-1,2-benzothiazole Derivatives and Their Antibacterial Activity. Russian Journal of Organic Chemistry, 2022, 58, 1534-1541.	0.3	1
3571	Targeting malaria parasites with novel derivatives of azithromycin. Frontiers in Cellular and Infection Microbiology, 0, 12, .	1.8	2

#	ARTICLE	IF	CITATIONS
3572	Host-dependent resistance of Group A Streptococcus to sulfamethoxazole mediated by a horizontally-acquired reduced folate transporter. <i>Nature Communications</i> , 2022, 13, .	5.8	4
3573	Associating Biological Activity and Predicted Structure of Antimicrobial Peptides from Amphibians and Insects. <i>Antibiotics</i> , 2022, 11, 1710.	1.5	2
3574	Bacteriaâ€Responsive Selfâ€Assembly of Antimicrobial Peptide Nanonets for Trapâ€andâ€Kill of Antibioticâ€Resistant Strains. <i>Advanced Functional Materials</i> , 2023, 33, .	7.8	11
3575	Antibacterial Properties of Honey Nanocomposite Fibrous Meshes. <i>Polymers</i> , 2022, 14, 5155.	2.0	2
3576	Structural characterization of n-hexadecanoic acid from the leaves of <i>Ipomoea eriocarpa</i> and its antioxidant and antibacterial activities. <i>Biomass Conversion and Biorefinery</i> , 0, , .	2.9	22
3577	Cefazolin encapsulated UIO-66-NH2 nanoparticles enhance the antibacterial activity and biofilm inhibition against drug-resistant <i>S. aureus</i> : In vitro and in vivo studies. <i>Chemical Engineering Journal</i> , 2023, 455, 140544.	6.6	24
3578	Orchestrated Response of Intracellular Zwitterionic Metabolites in Stress Adaptation of the Halophilic Heterotrophic Bacterium <i>Pelagibaca bermudensis</i> . <i>Marine Drugs</i> , 2022, 20, 727.	2.2	3
3579	Sodium Malonate Inhibits the AcrAB-TolC Multidrug Efflux Pump of <i>Escherichia coli</i> and Increases Antibiotic Efficacy. <i>Pathogens</i> , 2022, 11, 1409.	1.2	2
3580	Airborne transmission of biological agents within the indoor built environment: a multidisciplinary review. <i>Air Quality, Atmosphere and Health</i> , 2023, 16, 477-533.	1.5	5
3581	Ramosin: The First Antibacterial Peptide Identified on <i>Bolitoglossa ramosi</i> Colombian Salamander. <i>Pharmaceutics</i> , 2022, 14, 2579.	2.0	2
3582	Surviving the host: Microbial metabolic genes required for growth of <i>Pseudomonas aeruginosa</i> in physiologically-relevant conditions. <i>Frontiers in Microbiology</i> , 0, 13, .	1.5	7
3583	In Vitro Anti-Colorectal Cancer and Anti-Microbial Effects of <i>Pinus roxburghii</i> and <i>Nauplius graveolens</i> Extracts Modulated by Apoptotic Gene Expression. <i>Separations</i> , 2022, 9, 393.	1.1	1
3584	New Ni(II) and Pd(II) complexes bearing derived sulfa drug ligands: synthesis, characterization, DFT calculations, and in silico and in vitro biological activity studies. <i>BioMetals</i> , 2023, 36, 153-188.	1.8	7
3585	Covalent DNA Binding Is Essential for Gram-Negative Antibacterial Activity of Broad Spectrum Pyrrolbenzodiazepines. <i>Antibiotics</i> , 2022, 11, 1770.	1.5	1
3587	Designing double-site lipidated peptide amphiphiles as potent antimicrobial biomaterials to combat multidrug-resistant bacteria. <i>Frontiers in Microbiology</i> , 0, 13, .	1.5	3
3588	Exploring the Antimicrobial and Pharmacological Potential of NF22 as a Potent Inhibitor of <i>E. coli</i> DNA Gyrase: An In Vitro and In Silico Study. <i>Pharmaceutics</i> , 2022, 14, 2768.	2.0	2
3589	Extended Spectrum Beta-Lactamase Expressing <i>Chromobacterium</i> Sp. Dyh27s2016 Strain is Capable of Metal Leaching in Electronic Waste. <i>Key Engineering Materials</i> , 0, 937, 181-191.	0.4	1
3590	Evaluation of the antimicrobial effects of <i>Capsicum</i> , <i>Nigella sativa</i> , <i>Musa paradisiaca</i> L., and <i>Citrus limetta</i> : A review. <i>Frontiers in Sustainable Food Systems</i> , 0, 6, .	1.8	5

#	ARTICLE	IF	CITATIONS
3591	In Vitro and In Vivo Characterization Methods for Evaluation of Modern Wound Dressings. <i>Pharmaceutics</i> , 2023, 15, 42.	2.0	13
3592	Host-derived chimeric peptides clear the causative bacteria and augment host innate immunity during infection: A case study of HLB in citrus and fire blight in apple. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	3
3593	Semi-Biosynthetic Production of Surface-Binding Adhesive Antimicrobial Peptides Using Intein-Mediated Protein Ligation. <i>International Journal of Molecular Sciences</i> , 2022, 23, 15202.	1.8	1
3594	The Multidrug Efflux Regulator AcrR of <i>Escherichia coli</i> Responds to Exogenous and Endogenous Ligands To Regulate Efflux and Detoxification. <i>MSphere</i> , 2022, 7, .	1.3	2
3595	Synergistic Potentiation of Antimicrobial and Antibiofilm Activities of Penicillin and Bacitracin by Octyl Gallate, a Food-Grade Antioxidant, in <i>Staphylococcus epidermidis</i> . <i>Antibiotics</i> , 2022, 11, 1775.	1.5	1
3596	Butelase 1-Mediated Enzymatic Cyclization of Antimicrobial Peptides: Improvements on Stability and Bioactivity. <i>Journal of Agricultural and Food Chemistry</i> , 2022, 70, 15869-15878.	2.4	0
3597	Review on the Developments of Benzothiazole-containing Antimicrobial Agents. <i>Current Topics in Medicinal Chemistry</i> , 2022, 22, 2630-2659.	1.0	4
3599	Opposites Attract: Electrostatically Driven Loading of Antimicrobial Peptides into Phytoglycogen Nanocarriers. <i>Langmuir</i> , 2023, 39, 53-63.	1.6	0
3600	Bolaamphiphile Analogues of 12-bis-THA Cl ₂ Are Potent Antimicrobial Therapeutics with Distinct Mechanisms of Action against Bacterial, Mycobacterial, and Fungal Pathogens. <i>MSphere</i> , 2023, 8, .	1.3	2
3601	A short novel antimicrobial peptide BP100-W with antimicrobial, antibiofilm and anti-inflammatory activities designed by replacement with tryptophan. <i>Journal of Analytical Science and Technology</i> , 2022, 13, .	1.0	2
3602	Antioxidant phytochemicals and antibacterial activities of <i>Ziziphus</i> spp.) leaf extracts. <i>Acta Horticulturae</i> , 2022, , 323-332.	0.1	6
3603	Synthesis, Physicochemical Properties and Molecular Docking of New Benzothiazole Derivatives as Antimicrobial Agents Targeting DHPS Enzyme. <i>Antibiotics</i> , 2022, 11, 1799.	1.5	7
3604	Rapid antibiotic susceptibility testing of bacteria by single-field tracking centrifugation of bacteria solution. , 2022, , .		0
3605	Hydrogels with intrinsic antibacterial activity prepared from naphthyl anthranilamide (NaA) capped peptide mimics. <i>Scientific Reports</i> , 2022, 12, .	1.6	6
3606	Antibiotic Cycling Affects Resistance Evolution Independently of Collateral Sensitivity. <i>Molecular Biology and Evolution</i> , 2022, 39, .	3.5	4
3607	Precise digital bacteria enumeration and antibiotic susceptibility testing via a portable vibrating capillary-based droplet platform. <i>Sensors and Actuators B: Chemical</i> , 2023, 380, 133254.	4.0	3
3608	Characterization of ZnO and Mn-doped ZnO nanoparticles and their antimicrobial activity. <i>Rendiconti Lincei</i> , 2023, 34, 189-198.	1.0	2
3609	Fabrication of antibacterial and biocompatible 3D printed Manuka-Gelatin based patch for wound healing applications. <i>International Journal of Pharmaceutics</i> , 2023, 632, 122541.	2.6	9

#	ARTICLE	IF	CITATIONS
3610	Maturity stage at harvest influences antioxidant phytochemicals and antibacterial activity of jujube fruit (<i>Ziziphus mauritiana</i> Lamk. and <i>Ziziphus spina-christi</i> L.). <i>Annals of Agricultural Sciences</i> , 2022, 67, 196-203.	1.1	11
3611	Effect of biosynthesized selenium nanoparticles using <i>Nepeta</i> extract against multidrug-resistant <i>Pseudomonas aeruginosa</i> and <i>Acinetobacter baumannii</i> . <i>Journal of Basic Microbiology</i> , 2023, 63, 210-222.	1.8	5
3612	Antimicrobial Activity and Immunomodulatory Properties of Acidocin A, the Pediocin-like Bacteriocin with the Non-Canonical Structure. <i>Membranes</i> , 2022, 12, 1253.	1.4	6
3613	Antioxidant and Antimicrobial Properties of Selected Red Seaweeds from Central Portugal. <i>Applied Sciences (Switzerland)</i> , 2023, 13, 157.	1.3	5
3614	Synthesis and in vitro antibacterial, antifungal, anti-proliferative activities of novel adamantane-containing thiazole compounds. <i>Scientific Reports</i> , 2022, 12, .	1.6	6
3615	Molecular epidemiology of bacteraemic vancomycin-resistant <i>Enterococcus faecium</i> isolates and in vitro activities of SC5005 and other comparators against these isolates collected from a medical centre in northern Taiwan, 2019–2020. <i>Journal of Antimicrobial Chemotherapy</i> , 2023, 78, 457-465.	1.3	2
3616	Clove Essential Oil and Its Main Constituent, Eugenol, as Potential Natural Antifungals against <i>Candida</i> spp. Alone or in Combination with Other Antimycotics Due to Synergistic Interactions. <i>Molecules</i> , 2023, 28, 215.	1.7	6
3617	Antimicrobial activity of the recombinant peptide Melittin-Thanatins with three glycine to tryptophan mutations. <i>Preparative Biochemistry and Biotechnology</i> , 0, , 1-11.	1.0	1
3618	Multidirectional Characterization of Phytochemical Profile and Health-Promoting Effects of <i>Ziziphora bungeana</i> Juz. Extracts. <i>Molecules</i> , 2022, 27, 8994.	1.7	2
3619	Phase Contrast Image-Based Rapid Antimicrobial Susceptibility Testing of Bacteria in Liquid Culture Media. <i>Sensors</i> , 2023, 23, 59.	2.1	1
3621	Theranostic FRET Gate to Visualize and Quantify Bacterial Membrane Breaching. <i>Biomacromolecules</i> , 2023, 24, 739-755.	2.6	4
3622	Synthesis and Antibacterial Evaluation of Ciprofloxacin Congeners with Spirocyclic Amine Periphery. <i>International Journal of Molecular Sciences</i> , 2023, 24, 954.	1.8	1
3623	Rational design of potent ultrashort antimicrobial peptides with programmable assembly into nanostructured hydrogels. <i>Frontiers in Chemistry</i> , 0, 10, .	1.8	3
3624	How do antimicrobial peptides disrupt the lipopolysaccharide membrane leaflet of Gram-negative bacteria?. <i>Journal of Colloid and Interface Science</i> , 2023, 637, 182-192.	5.0	9
3625	Versatile Magnetic Mesoporous Carbon Derived Nano-Adsorbent for Synchronized Toxic Metal Removal and Bacterial Disinfection from Water Matrices. <i>Small</i> , 2023, 19, .	5.2	8
3626	Effects of alkyl chain length on the interfacial, antibacterial, and antioxidative properties of erythorbil fatty acid esters. <i>LWT - Food Science and Technology</i> , 2023, 174, 114421.	2.5	3
3627	Formulation and microbiological ancillary studies of gemifloxacin proniosomes for exploiting its role against LPS acute pneumonia model. <i>Journal of Drug Delivery Science and Technology</i> , 2023, , 104053.	1.4	0
3628	Determination of antioxidant and antibacterial properties of <i>Tradescantia spathacea</i> root extracts. <i>Vegetos</i> , 0, , .	0.8	1

#	ARTICLE	IF	CITATIONS
3629	The <i>Pseudomonas aeruginosa</i> RpoH (If32) Regulon and Its Role in Essential Cellular Functions, Starvation Survival, and Antibiotic Tolerance. <i>International Journal of Molecular Sciences</i> , 2023, 24, 1513.	1.8	4
3630	Combined Use of Antimicrobial Peptides with Antiseptics against Multidrug-Resistant Bacteria: Pros and Cons. <i>Pharmaceutics</i> , 2023, 15, 291.	2.0	1
3631	Phyto-fabrication of AgNPs using leaf extract of <i>Vitex trifolia</i> : potential to antibacterial, antioxidant, dye degradation, and their evaluation of non-toxicity to <i>Chlorella vulgaris</i> . <i>Biomass Conversion and Biorefinery</i> , 0, , .	2.9	0
3632	<i>Bacillus altitudinis</i> â€Stabilized Multifarious Copper Nanoparticles Prevent Bacterial Fruit Blotch in Watermelon (<i>Citrullus lanatus</i> L.): Direct Pathogen Inhibition, In Planta Particles Accumulation, and Host Stomatal Immunity Modulation. <i>Small</i> , 2023, 19, .	5.2	15
3633	Phage-antibiotic synergy reduces <i>Burkholderia cenocepacia</i> population. <i>BMC Microbiology</i> , 2023, 23, .	1.3	5
3634	Evaluating two steps in transcription using a fluorescenceâ€based electrophoretic mobility shift assay. <i>Biochemistry and Molecular Biology Education</i> , 0, , .	0.5	0
3635	Coatings containing molybdenum trisulphide QDs to protect oil paintings against different environmental factors. <i>Pigment and Resin Technology</i> , 2023, ahead-of-print, .	0.5	0
3636	A conserved SH3-like fold in diverse putative proteins tetramerizes into an oxidoreductase providing an antimicrobial resistance phenotype. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2023, 378, .	1.8	3
3637	<i>Pseudomonas aeruginosa</i> GidA modulates the expression of catalases at the posttranscriptional level and plays a role in virulence. <i>Frontiers in Microbiology</i> , 0, 13, .	1.5	2
3638	Effect of Deposition and Protease Digestion on the Ex Vivo Activity of Antimicrobial Peptide-Coated Contact Lenses. <i>Nanomaterials</i> , 2023, 13, 349.	1.9	3
3639	Development of Nanoparticle Adaptation Phenomena in <i>Acinetobacter baumannii</i> : Physiological Change and Defense Response. <i>Microbiology Spectrum</i> , 2023, 11, .	1.2	0
3640	Phosphine chalcogenides and their derivatives from red phosphorus and functionalized pyridines, imidazoles, pyrazoles and their antimicrobial and cytostatic activity. <i>Bioorganic Chemistry</i> , 2023, 132, 106363.	2.0	8
3641	In-vitro Bioevaluation, Pharmacokinetics and Molecular Docking Study of unexplored Bisabolol-rich <i>Curcuma inodora</i> essential oil from Konkan region: A biodiversity hotspot. <i>Plant Science Today</i> , 0, , .	0.4	0
3642	The potential of reuterin derived from Indonesian strain of <i>Lactobacillus reuteri</i> against endodontic pathogen biofilms in vitro and ex vivo. <i>Saudi Dental Journal</i> , 2023, , .	0.5	0
3643	Bioevaluation, Pharmacokinetics and Molecular docking study of Phenylpropanoid rich rhizome essential oil of understudied <i>Zingiber neesanium</i> from Konkan region of India. <i>Plant Science Today</i> , 0, , .	0.4	0
3644	Effective treatment of <i>Staphylococcus aureus</i> infection with silver nanoparticles and silver ions. <i>Journal of Drug Delivery Science and Technology</i> , 2023, 80, 104165.	1.4	5
3645	Mesoporous CuS/SiO ₂ as a sulfamethoxazole loading carrier against <i>Escherichia coli</i> and <i>Staphylococcus aureus</i> . <i>Journal of Non-Crystalline Solids</i> , 2023, 603, 122128.	1.5	0
3646	An elucidative study of the anti-biofilm effect of selenium nanoparticles (SeNPs) on selected biofilm producing pathogenic bacteria: A disintegrating effect of SeNPs on bacteria. <i>Process Biochemistry</i> , 2023, 126, 98-107.	1.8	10

#	ARTICLE	IF	CITATIONS
3647	Dissolvable alginate hydrogel-based biofilm microreactors for antibiotic susceptibility assays. <i>Biofilm</i> , 2023, 5, 100103.	1.5	7
3648	In vitro bacterial vaginosis biofilm community manipulation using endolysin therapy. <i>Biofilm</i> , 2023, 5, 100101.	1.5	3
3649	Antibacterial Efficacy of Walnut Green Husk (WGH) Extract with Zinc Oxide Nanoparticles on <i>Streptococcus Mutans</i> . <i>Reports of Biochemistry and Molecular Biology</i> , 2022, 11, 405-410.	0.5	1
3650	Antimicrobial Properties of Different Hop (<i>Humulus lupulus</i>) Genotypes. <i>Plants</i> , 2023, 12, 120.	1.6	9
3651	Effect of Thermal Treatment on Kelulut Honey Towards the Physicochemical, Antioxidant and Antimicrobial Properties. <i>Borneo Journal of Resource Science and Technology</i> , 2022, 12, 39-47.	0.3	0
3652	The <i>adeH</i> and <i>adeS</i> Efflux Pump Genes in Imipenem and Colistin-Resistant <i>Acinetobacter baumannii</i> Clinical Isolates. <i>Journal of Medical Microbiology and Infectious Diseases</i> , 2022, 10, 186-191.	0.1	1
3653	Phytochemical study of a chemotype of <i>Cannabis sativa</i> L. <i>Planta Medica</i> , 2022, , .	0.7	0
3654	EFFECT OF HEAT TREATMENT ON POTASSIUM CONTENT AND ANTI-SHIGELLOSIS ACTIVITY OF KLUTUK BANANAS (<i>MUSA BALBISIANA</i> COLLA) FRUIT FLOUR. <i>International Journal of Applied Pharmaceutics</i> , 0, , 60-66.	0.3	0
3655	Green synthesis of silver nanoparticles using <i>Eupatorium adenophorum</i> leaf extract: characterizations, antioxidant, antibacterial and photocatalytic activities. <i>Chemical Papers</i> , 2023, 77, 2947-2956.	1.0	25
3656	<i>Streptomyces macrolidinus</i> sp. nov., a novel soil actinobacterium with potential anticancer and antimalarial activity. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2023, 73, .	0.8	0
3657	Effect of culture conditions at labâ€scale on metabolite composition and antibacterial and antibiofilm activities of <i>Dunaliella tertiolecta</i> . <i>Journal of Phycology</i> , 2023, 59, 356-369.	1.0	0
3658	Dental Hydrogels with Essential Oils with Potential Activity in Periodontitis. <i>Applied Sciences (Switzerland)</i> , 2023, 13, 1787.	1.3	0
3659	Chemical components, antimicrobial and antioxidant activities of essential oil from <i>Artemisia kanashiroi</i> in Northwest China. <i>Journal of Essential Oil Research</i> , 0, , 1-14.	1.3	1
3660	Epifriedelanol is the key compound to antibacterial effects of extracts of <i>Synadenium glaucescens</i> (Pax) against medically important bacteria. <i>Frontiers in Tropical Diseases</i> , 0, 3, .	0.5	1
3661	Bacteriocin-Nanoconjugates (Bac10307-AgNPs) Biosynthesized from <i>Lactobacillus acidophilus</i> -Derived Bacteriocins Exhibit Enhanced and Promising Biological Activities. <i>Pharmaceutics</i> , 2023, 15, 403.	2.0	3
3662	Transiently silent acquired antimicrobial resistance: an emerging challenge in susceptibility testing. <i>Journal of Antimicrobial Chemotherapy</i> , 2023, 78, 586-598.	1.3	5
3663	Optimization Preparation and Evaluation of Chitosan Grafted Norfloxacin as a Hemostatic Sponge. <i>Polymers</i> , 2023, 15, 672.	2.0	0
3664	Extensively drug-resistant <i>Acinetobacter baumannii</i> : role of conjugative plasmids in transferring resistance. <i>PeerJ</i> , 0, 11, e14709.	0.9	2

#	ARTICLE	IF	CITATIONS
3665	Urea derivatives of spirocyclic piperidines endowed with antibacterial activity. Mendeleev Communications, 2023, 33, 109-111.	0.6	0
3666	Design of Fmoc-Phenylalanine Nanofibrillar Hydrogel and Mechanistic Studies of Its Antimicrobial Action against Both Gram-Positive and Gram-Negative Bacteria. ACS Applied Bio Materials, 0, , .	2.3	1
3667	Synthesis, Spectral Characterization, Electrochemical, Antioxidant and Antimicrobial Evaluation of 3d-Metal Complexes of 3-Mercapto-4-(Pyren-1-ylmethylene)Amino-1,2,4-Triazin-5-One. Polycyclic Aromatic Compounds, 2024, 44, 215-237.	1.4	0
3668	Identification and culture test. , 2023, , 113-139.		0
3669	Uracil restores susceptibility of methicillin-resistant Staphylococcus aureus to aminoglycosides through metabolic reprogramming. Frontiers in Pharmacology, 0, 14, .	1.6	8
3670	Synthesis, characterization, and antimicrobial of [Ni(2-ampy)2(dca)2]. AIP Conference Proceedings, 2023, , .	0.3	0
3671	Synthesis, Antimicrobial, Antioxidant Evaluation, and DFT Estimation of some New Cyclohexenone Derivatives Derived from Benzyloxy Chalcones. Current Organic Synthesis, 2023, 20, 812-820.	0.7	1
3672	Bacterial droplet-based single-cell RNA-seq reveals antibiotic-associated heterogeneous cellular states. Cell, 2023, 186, 877-891.e14.	13.5	45
3673	A multifunctional sateen woven dressings for treatment of skin injuries. Colloids and Surfaces B: Biointerfaces, 2023, 224, 113197.	2.5	1
3674	Synthesis and computational studies of novel cobalt(II) and oxovanadium(IV) complexes of quinoline carbaldehyde derivative ligand for antibacterial and antioxidant applications. Journal of Molecular Structure, 2023, 1280, 134994.	1.8	8
3675	Evaluation of antibiofilm and cytotoxicity effect of <i>Rumex vesicarius</i> methanol extract. Open Chemistry, 2023, 21, .	1.0	1
3676	Nanoparticle surface stabilizing agents influence antibacterial action. Frontiers in Microbiology, 0, 14, .	1.5	8
3677	Cross-protection and cross-feeding between Klebsiella pneumoniae and Acinetobacter baumannii promotes their co-existence. Nature Communications, 2023, 14, .	5.8	14
3678	Improvement of Physicochemical and Antibacterial Properties of Nanoemulsified Origanum vulgare Essential Oil Through Optimization of Ultrasound Processing Variables. Food and Bioprocess Technology, 2023, 16, 2016-2026.	2.6	3
3679	Novel Antibiotic Resistance Genes Identified by Functional Gene Library Screening in Stenotrophomonas maltophilia and Chryseobacterium spp. Bacteria of Soil Origin. International Journal of Molecular Sciences, 2023, 24, 6037.	1.8	3
3680	The Promising Antibacterial and Anticancer Activity of Green Synthesized Zinc Nanoparticles in Combination with Silver and Gold Nanoparticles. Journal of Inorganic and Organometallic Polymers and Materials, 2023, 33, 1868-1881.	1.9	5
3681	New 6- β -Amino-5-cyano-2-oxo-1,2-dihydro-1H-spiro[indole-3,4-pyridine]-3-carboxamides: Synthesis, Reactions, Molecular Docking Studies and Biological Activity. Molecules, 2023, 28, 3161.	1.7	0
3682	Minimal Surviving Inoculum in Collective Antibiotic Resistance. MBio, 2023, 14, .	1.8	3

#	ARTICLE	IF	CITATIONS
3683	Time-lapse proteomics unveil constant high exposure of non-antibiotic drug induces synthetic susceptibility towards regular antibiotics. <i>Microbiological Research</i> , 2023, 269, 127320.	2.5	1
3684	In vitro activity of tetracycline analogs against multidrug-resistant and extensive drug resistance clinical isolates of <i>Mycobacterium tuberculosis</i> . <i>Tuberculosis</i> , 2023, 140, 102336.	0.8	3
3685	Antimicrobial potential of the endophytic actinobacteria isolated from <i>Harpagophytum procumbens</i> : A southern African medicinal plant. <i>South African Journal of Botany</i> , 2023, 156, 268-277.	1.2	2
3686	Gallic acid-modified bioglass with combined photothermal and antibacterial effects for the regeneration of infected diabetic wound. <i>Composites Part B: Engineering</i> , 2023, 257, 110668.	5.9	6
3687	Design and synthesis of faspaplysin derivatives as inhibitors of FtsZ with potent antibacterial activity and mechanistic study. <i>European Journal of Medicinal Chemistry</i> , 2023, 254, 115348.	2.6	5
3688	Synthesis and antibacterial analysis of C-6 amino-functionalised chitosan derivatives. <i>International Journal of Biological Macromolecules</i> , 2023, 240, 124278.	3.6	4
3689	Green synthesis of antibacterial LFL-ZnO using <i>L. plantarum</i> fermentation liquid assisted by ultrasound-microwave. <i>Journal of Alloys and Compounds</i> , 2023, 947, 169697.	2.8	3
3690	The diversification of the antimicrobial peptides from marine worms is driven by environmental conditions. <i>Science of the Total Environment</i> , 2023, 879, 162875.	3.9	3
3691	Structure-induced luminescence and bioactivities of Zinc(II) complexes with 2-(2,4-dichlorophenoxy)-N- ϵ -[pyridin-2-ylmethylene]acetohydrazide. <i>Inorganica Chimica Acta</i> , 2023, 551, 121481.	1.2	3
3692	Characterization and genomic analysis of novel bacteriophage NK20 to revert colistin resistance and combat pandrug-resistant <i>Klebsiella pneumoniae</i> in a rat respiratory infection model. <i>Life Sciences</i> , 2023, 322, 121639.	2.0	1
3693	Synthesis of <i>Rumex hastatus</i> -based silver nanoparticles induced the inhibition of human pathogenic bacterial strains. <i>Arabian Journal of Chemistry</i> , 2023, 16, 104710.	2.3	1
3694	Two novel antimicrobial peptides against vegetative cells, spores and biofilm of <i>Bacillus cereus</i> . <i>Food Control</i> , 2023, 149, 109688.	2.8	4
3695	Polysaccharide and ethanol extracts of <i>Anoectochilus formosanus</i> Hayata: Antioxidant, wound-healing, antibacterial, and cytotoxic activities. <i>Heliyon</i> , 2023, 9, e13559.	1.4	3
3697	D-amino acid peptides as antimicrobial agents against vibrio-associated diseases in aquaculture. <i>Aquaculture</i> , 2023, 569, 739362.	1.7	2
3698	Antimicrobial-prebiotic: Novel dual approach of pomegranate peel extract in vitro and in food system. <i>Biocatalysis and Agricultural Biotechnology</i> , 2023, 49, 102664.	1.5	4
3699	L-ergothioneine reduces nitration of lactoferrin and loss of antibacterial activity associated with nitrosative stress. <i>Biochemistry and Biophysics Reports</i> , 2023, 34, 101447.	0.7	0
3701	Strategic modification of low-activity natural antimicrobial peptides confers antibacterial potential in vitro and in vivo. <i>European Journal of Medicinal Chemistry</i> , 2023, 249, 115131.	2.6	9
3702	<i>Listeria monocytogenes</i> Biofilms Are Planktonic Cell Factories despite Peracetic Acid Exposure under Continuous Flow Conditions. <i>Antibiotics</i> , 2023, 12, 209.	1.5	1

#	ARTICLE	IF	CITATIONS
3704	N-Containing Î±-Mangostin Analogs via Smiles Rearrangement as the Promising Cytotoxic, Antitrypanosomal, and SARS-CoV-2 Main Protease Inhibitory Agents. <i>Molecules</i> , 2023, 28, 1104.	1.7	2
3705	Chitosan nanoparticles efficiently enhance the dispersibility, stability and selective antibacterial activity of insoluble isoflavonoids. <i>International Journal of Biological Macromolecules</i> , 2023, 232, 123420.	3.6	6
3706	Diversity and Comparison of Intestinal <i>Desulfovibrio</i> in Patients with Liver Cirrhosis and Healthy People. <i>Microorganisms</i> , 2023, 11, 276.	1.6	7
3707	Therapeutic potential of two formulated novel chitosan derivatives with prominent antimicrobial activities against virulent microorganisms and safe profiles toward fibroblast cells. <i>International Journal of Pharmaceutics</i> , 2023, 634, 122649.	2.6	29
3708	Phage production is blocked in the adherent-invasive <i>Escherichia coli</i> LF82 upon macrophage infection. <i>PLoS Pathogens</i> , 2023, 19, e1011127.	2.1	4
3709	Enzyme-responsive polycationic silver nanocluster-loaded PCL nanocomposites for antibacterial applications. <i>Materials Today Chemistry</i> , 2023, 28, 101376.	1.7	6
3710	Induction of Viable but Non-Culturable State in Clinically Relevant Staphylococci and Their Detection with Bacteriophage K. <i>Antibiotics</i> , 2023, 12, 311.	1.5	0
3711	Comparison of in vitro fosfomycin susceptibility testing methods with agar dilution for carbapenem resistant <i>Klebsiella pneumoniae</i> and <i>Escherichia coli</i> . <i>Indian Journal of Medical Microbiology</i> , 2023, 42, 39-45.	0.3	1
3712	Characterization of green synthesized nanoflowers using corn silk extract obtained in different solvents and pH media and comparative study of the effects of morphologies on catalytic, antioxidant, and antimicrobial activities. <i>Applied Nanoscience (Switzerland)</i> , 0, , .	1.6	0
3713	Hypervirulent <i>Klebsiella pneumoniae</i> Causing Neonatal Bloodstream Infections: Emergence of NDM-1-Producing Hypervirulent ST11-K2 and ST15-K54 Strains Possessing pLVPK-Associated Markers. <i>Microbiology Spectrum</i> , 2023, 11, .	1.2	7
3714	Bioassay-Guided Isolation of Antimicrobial Components and LC/QToF Profile of <i>Plumeria obtusa</i> : Potential for the Treatment of Antimicrobial Resistance. <i>ACS Omega</i> , 2023, 8, 6476-6491.	1.6	1
3715	The Application of Cinnamon Twig Extract as an Inhibitor of Listeriolysin O against <i>Listeria monocytogenes</i> Infection. <i>Molecules</i> , 2023, 28, 1625.	1.7	3
3716	Toxicity assessment and anti- <i>Vibrio</i> activity of essential oils: Potential for application in shrimp aquaculture. <i>Reviews in Aquaculture</i> , 2023, 15, 1554-1573.	4.6	4
3717	Responses of carbapenemase-producing and non-producing carbapenem-resistant <i>Pseudomonas aeruginosa</i> strains to meropenem revealed by quantitative tandem mass spectrometry proteomics. <i>Frontiers in Microbiology</i> , 0, 13, .	1.5	1
3718	Presence of Polyketide Synthase (PKS) Gene and Counterpart Virulence Determinants in <i>Klebsiella pneumoniae</i> Strains Enhances Colorectal Cancer Progression In-Vitro. <i>Microorganisms</i> , 2023, 11, 443.	1.6	0
3719	Healing Wounds Efficiently with Biomimetic Soft Matter: Injectable Self-Healing Neutral Glycol Chitosan/Dibenzaldehyde-Terminated Poly(ethylene glycol) Hydrogel with Inherent Antibacterial Properties. <i>ACS Applied Bio Materials</i> , 2023, 6, 552-565.	2.3	5
3720	Conventional methods and future trends in antimicrobial susceptibility testing. <i>Saudi Journal of Biological Sciences</i> , 2023, 30, 103582.	1.8	17
3721	Proximate Analysis of <i>Moringa oleifera</i> Leaves and the Antimicrobial Activities of Successive Leaf Ethanolic and Aqueous Extracts Compared with Green Chemically Synthesized Ag-NPs and Crude Aqueous Extract against Some Pathogens. <i>International Journal of Molecular Sciences</i> , 2023, 24, 3529.	1.8	2

#	ARTICLE	IF	CITATIONS
3722	Caffeine and Cationic Copolymers with Antimicrobial Properties. ACS Bio & Med Chem Au, 2023, 3, 189-200.	1.7	1
3723	Bacteriostatic and Antibiofilm Efficacy of a Nisin Z Solution against Co-Cultures of Staphylococcus aureus and Pseudomonas aeruginosa from Diabetic Foot Infections. Life, 2023, 13, 504.	1.1	7
3724	Coumarin derivatives with potential anticancer and antibacterial activity: Design, synthesis, VEGFR and DNA gyrase inhibition, and in silico studies. Drug Development Research, 2023, 84, 475-499.	1.4	7
3726	Dynamic helical cationic polyacetylenes for fast and highly efficient killing of bacteria. Acta Biomaterialia, 2023, 161, 134-143.	4.1	4
3727	Mitochondria-Targeted Curcumin: A Potent Antibacterial Agent against Methicillin-Resistant Staphylococcus aureus with a Possible Intracellular ROS Accumulation as the Mechanism of Action. Antibiotics, 2023, 12, 401.	1.5	5
3728	Cytotoxicity, Antimicrobial, Antioxidant, Anthelmintic, and Anti-Inflammatory Activities and FTIR Analysis of Combretum niroense Stem Bark. Journal of Chemistry, 2023, 2023, 1-14.	0.9	0
3729	XerC Is Required for the Repair of Antibiotic- and Immune-Mediated DNA Damage in Staphylococcus aureus. Antimicrobial Agents and Chemotherapy, 0, .	1.4	0
3730	Oxidative stress induced by Etoposide anti-cancer chemotherapy drives the emergence of tumor-associated bacteria resistance to fluoroquinolones. Journal of Advanced Research, 2024, 55, 33-44.	4.4	2
3731	An optogenetic toolkit for light-inducible antibiotic resistance. Nature Communications, 2023, 14, .	5.8	10
3732	Synthesis of highly stable Ag/Ta2O5 nanocomposite by pulsed laser ablation as an effectual antibacterial agent. Optics and Laser Technology, 2023, 162, 109295.	2.2	9
3733	In vitro and in vivo applications of a universal and synthetic thermo-responsive drug delivery hydrogel platform. International Journal of Pharmaceutics, 2023, 635, 122777.	2.6	1
3734	In vitro Evaluation of Potential Probiotic Characteristics and Survival of Human and Foodborne Lactic Acid Bacteria (Lactocaseibacillus rhamnosus and Lactiplantibacillus plantarum) in Mice Gastrointestinal Tract. Applied Biochemistry and Microbiology, 2022, 58, S91-S101.	0.3	0
3735	Engineered Endolysin LysECD7-SMAP Reveals Antimicrobial Synergy with Antibiotics and Restores Sensitivity in Gram-negative Pathogens. Applied Biochemistry and Microbiology, 2022, 58, S65-S74.	0.3	1
3736	The pterin binding site of dihydropteroate synthase (DHPS): In silico screening and in vitro antibacterial activity of existing drugs. Results in Chemistry, 2023, 5, 100863.	0.9	0
3737	N-acetylcysteine (NAC) attenuates quorum sensing regulated phenotypes in Pseudomonas aeruginosa PAO1. Heliyon, 2023, 9, e14152.	1.4	1
3738	Designing antimicrobial peptides using deep learning and molecular dynamic simulations. Briefings in Bioinformatics, 2023, 24, .	3.2	14
3739	Involvement of RNA chaperone hfq in the regulation of antibiotic resistance and virulence in Shigella sonnei. Research in Microbiology, 2023, 174, 104047.	1.0	5
3740	Transcriptome analysis of the biofilm formation mechanism of Vibrio parahaemolyticus under the sub-inhibitory concentrations of copper and carbenicillin. Frontiers in Microbiology, 0, 14, .	1.5	0

#	ARTICLE	IF	CITATIONS
3743	An eco-friendly chitosan/cellulose acetate hybrid nanostructure containing Ziziphora clinopodioides essential oils for active food packaging applications. International Journal of Biological Macromolecules, 2023, 235, 123885.	3.6	9
3744	Biocide Coating from Polydiallyldimethylammonium Chloride—What Molecular Weight Should We Choose?. Physchem, 2023, 3, 147-155.	0.5	0
3745	The impact of N-glycosylation on the properties of the antimicrobial peptide LL-III. Scientific Reports, 2023, 13, .	1.6	5
3746	Rational Design of Stapled Antimicrobial Peptides to Enhance Stability and <i>In Vivo</i> Potency against Polymicrobial Sepsis. Microbiology Spectrum, 2023, 11, .	1.2	3
3747	Enhancing the Antioxidant, Antibacterial, and Wound Healing Effects of Melaleuca alternifolia Oil by Microencapsulating It in Chitosan-Sodium Alginate Microspheres. Nutrients, 2023, 15, 1319.	1.7	1
3748	Activity of aurisin A isolated from Neonothopanus nambi against methicillin-resistant Staphylococcus aureus strains. Saudi Pharmaceutical Journal, 2023, 31, 617-625.	1.2	2
3749	Hydrothermally synthesized titanium/hydroxyapatite as photoactive and antibacterial biomaterial. Heliyon, 2023, 9, e14434.	1.4	2
3750	A critical issue on microbiological cut-off value of ampicillin resistance in <i>Lactiplantibacillus plantarum</i> . Journal of Applied Microbiology, 2023, 134, .	1.4	0
3751	Bacteria-Specific Feature Selection for Enhanced Antimicrobial Peptide Activity Predictions Using Machine-Learning Methods. Journal of Chemical Information and Modeling, 2023, 63, 1723-1733.	2.5	6
3752	Elucidating the Mechanism of Action of the Gram-Negative-Pathogen-Selective Cyclic Antimicrobial Lipopeptide Brevicidine. Antimicrobial Agents and Chemotherapy, 2023, 67, .	1.4	5
3753	In vitro antibiotic susceptibility of Erwinia sp. causing papaya (Carica papaya) black rot in Okinawa, Japan and several pesticides effectiveness on potted papaya plantlets before infection. Fruits, 2023, 78, 1-8.	0.3	0
3754	Isolation of Lead Resistant Bacteria from Spent Mushroom Compost and Their Impact on Growth and Biochemical Parameters of Safflower. Current Microbiology, 2023, 80, .	1.0	0
3755	Î ² -cyclopiazonic acid binds iron demonstrating siderophore-like activity and promotes growth in Pseudomonas aeruginosa. Journal of Oceanology and Limnology, 2023, 41, 1159-1167.	0.6	2
3756	Synthesis and Biological Evaluation of New Schiff Bases Derived from 4-Amino-5-(3-fluorophenyl)-1,2,4-triazole-3-thione. Molecules, 2023, 28, 2718.	1.7	1
3757	Comparative HPLC—DAD—ESI-QTOF/MS/MS Analysis of Bioactive Phenolic Compounds Content in the Methanolic Extracts from Flowering Herbs of Monarda Species and Their Free Radical Scavenging and Antimicrobial Activities. Pharmaceutics, 2023, 15, 964.	2.0	1
3758	Cell-Derived Vesicles for Antibiotic Delivery—Understanding the Challenges of a Biogenic Carrier System. Small, 2023, 19, .	5.2	2
3759	Antibacterial, Anti-Biofilm and Pro-Migratory Effects of Double Layered Hydrogels Packaged with Lactoferrin-DsiRNA-Silver Nanoparticles for Chronic Wound Therapy. Pharmaceutics, 2023, 15, 991.	2.0	8
3760	Characterization and pathological analysis of Flavobacterium tructae recovered from farmed rainbow trout, Oncorhynchus mykiss (Walbaum, 1792), in the Indian Himalayan Region. Aquaculture International, 2023, 31, 2399-2420.	1.1	1

#	ARTICLE	IF	CITATIONS
3761	Listeria monocytogenes Isolates from Meat Products and Processing Environment in Poland Are Sensitive to Commonly Used Antibiotics, with Rare Cases of Reduced Sensitivity to Ciprofloxacin. <i>Life</i> , 2023, 13, 821.	1.1	2
3762	Ampicillin-resistant bacterial pathogens targeted chitosan nano-drug delivery system (CS-AMP-P-ZnO) for combinational antibacterial treatment. <i>International Journal of Biological Macromolecules</i> , 2023, 237, 124129.	3.6	14
3763	Structural and Functional Characterization of the Newly Designed Antimicrobial Peptide Crabrolin21. <i>Membranes</i> , 2023, 13, 365.	1.4	1
3764	Computer-Aided Drug Design and Synthesis of Rhenium Clotrimazole Antimicrobial Agents. <i>Antibiotics</i> , 2023, 12, 619.	1.5	6
3765	Phenyl lactic acid alleviates <i>Helicobacter pylori</i> infection in C57BL/6 mice. <i>Food and Function</i> , 0, , .	2.1	2
3766	Inhibition of peptidoglycan synthesis is sufficient for total arrest of staphylococcal cell division. <i>Science Advances</i> , 2023, 9, .	4.7	7
3767	Antibacterial properties of <i>Allium sativum</i> against <i>Ornithobacterium rhinotracheale</i> and <i>Phyllanthus amarus</i> extracts against <i>Escherichia coli</i> . <i>IOP Conference Series: Earth and Environmental Science</i> , 2023, 1155, 012032.	0.2	0
3769	Quantification of heavy metals and mercury-resistant bacteria in artisanal and small-scale gold mining sites, Maniema region, Democratic Republic of the Congo. <i>International Journal of Environmental Research</i> , 2023, 17, .	1.1	0
3771	Comparing the antibacterial efficacy and functionality of different commercial alcohol-based sanitizers. <i>PLoS ONE</i> , 2023, 18, e0282005.	1.1	1
3772	Actinomycin-X2-Immobilized Silk Fibroin Film with Enhanced Antimicrobial and Wound Healing Activities. <i>International Journal of Molecular Sciences</i> , 2023, 24, 6269.	1.8	3
3773	Inherently Emissive Puromycin Analogues for Live Cell Labelling. <i>Angewandte Chemie</i> , 0, , .	1.6	0
3774	Inherently Emissive Puromycin Analogues for Live Cell Labelling. <i>Angewandte Chemie - International Edition</i> , 2023, 62, .	7.2	1
3775	Design of BODIPY functional ZIF-90 towards enhanced visible-light driven antibacterial performance. <i>New Journal of Chemistry</i> , 0, , .	1.4	0
3776	A Simple Characterisation of Violacein Compound Derived from <i>Chromobacterium</i> sp. strain Dyh27s2016 and its Antimicrobial Activity Against <i>Pseudomonas aeruginosa</i> . , 0, , 1-5.		1
3777	Host defense peptides identified in human apolipoprotein B as natural food bio-preservatives: Evaluation of their biosafety and digestibility. <i>Peptide Science</i> , 2024, 116, .	1.0	0
3778	Antimicrobial Peptide Cec4 Eradicates Multidrug-Resistant <i>Acinetobacter baumannii</i> in vitro and in vivo. <i>Drug Design, Development and Therapy</i> , 0, Volume 17, 977-992.	2.0	3
3779	Handyfuse Microfluidic for On-Site Antibiotic Susceptibility Testing. <i>Analytical Chemistry</i> , 2023, 95, 6145-6155.	3.2	6
3780	Microwave Irradiation vs. Structural, Physicochemical, and Biological Features of Porous Environmentally Active Silver-Silica Nanocomposites. <i>International Journal of Molecular Sciences</i> , 2023, 24, 6632.	1.8	1

#	ARTICLE	IF	CITATIONS
3781	Carotenoid from marine <i>Bacillus infantis</i> : production, extraction, partial characterization, and its biological activity. <i>Archives of Microbiology</i> , 2023, 205, .	1.0	2
3782	How similar is the antibacterial activity of silver nanoparticles coated with different capping agents?. <i>RSC Advances</i> , 2023, 13, 10542-10555.	1.7	9
3783	Ladder-shaped microfluidic system for rapid antibiotic susceptibility testing. , 2023, 2, .		1
3785	Antibacterial and Anti-biofilm Efficiency of Twenty Algerian Plants Essential Oils Against Resistant <i>Acinetobacter baumannii</i> . <i>Journal of Essential Oil-bearing Plants: JEOP</i> , 2023, 26, 206-231.	0.7	2
3787	Effect of Commonly Used Cosmetic Preservatives on Healthy Human Skin Cells. <i>Cells</i> , 2023, 12, 1076.	1.8	4
3788	Antibacterial activity of <i>Mangifera indica</i> seed extracts combined with common antibiotics against multidrug-resistant <i>Pseudomonas aeruginosa</i> and <i>Acinetobacter baumannii</i> isolates. <i>Bioscience Journal</i> , 0, 39, e39058.	0.4	1
3789	Combinations of <i>Echinacea</i> (<i>Echinacea purpurea</i>) and Rue (<i>Ruta graveolens</i>) Plant Extracts with Lytic Phages: A Study on Interactions. <i>Applied Sciences (Switzerland)</i> , 2023, 13, 4575.	1.3	3
3790	Design, synthesis, anticancer, and antibacterial evaluation of some quinazolinone-based derivatives as DHFR inhibitors. <i>Drug Development Research</i> , 2023, 84, 888-906.	1.4	4
3791	Inverse Polyamidoamine (PAMAM) Dendrimer Antimicrobials. <i>Helvetica Chimica Acta</i> , 2023, 106, .	1.0	2
3792	Chemical Constituents, Antioxidant Potential, and Antimicrobial Efficacy of <i>Pimpinella anisum</i> Extracts against Multidrug-Resistant Bacteria. <i>Microorganisms</i> , 2023, 11, 1024.	1.6	4
3793	Discovery of kaempferol, a novel ADAM10 inhibitor, as a potential treatment for <i>Staphylococcus aureus</i> infection. <i>Engineering</i> , 2023, , .	3.2	1
3794	Expression, purification and investigation of antibacterial activity of a novel hybrid peptide LL37/hBD-129 by applied comprehensive computational and experimental approaches. <i>Archives of Microbiology</i> , 2023, 205, .	1.0	0
3795	Co-Selection of Bacterial Metal and Antibiotic Resistance in Soil Laboratory Microcosms. <i>Antibiotics</i> , 2023, 12, 772.	1.5	0
3796	Rapid Phenotypic Antimicrobial Susceptibility Testing Using a Coulter Counter and Proliferation Rate Discrepancy. <i>ACS Omega</i> , 2023, 8, 16298-16305.	1.6	1
3797	Collateral Changes in Cell Physiology Associated with ADC-7 β -Lactamase Expression in <i>Acinetobacter baumannii</i> . <i>Microbiology Spectrum</i> , 2023, 11, .	1.2	3
3798	Clinical Diagnostics of Bacterial Infections and Their Resistance to Antibiotics—Current State and Whole Genome Sequencing Implementation Perspectives. <i>Antibiotics</i> , 2023, 12, 781.	1.5	9
3799	Isolation, Characterization and Antibacterial Activity of 4-Allylbenzene-1,2-diol from <i>Piper austrosinense</i> . <i>Molecules</i> , 2023, 28, 3572.	1.7	0
3800	Biocompatibility of magnetic nanoparticles synthesized through green routed with a focus on hematological and histological analysis. <i>Bioorganic Chemistry</i> , 2023, 137, 106552.	2.0	0

#	ARTICLE	IF	CITATIONS
3801	Facile Synthesis and Application of Ag-NPs for Controlling Antibiotic-Resistant <i>Pseudomonas</i> spp. and <i>Bacillus</i> spp. in a Poultry Farm Environment. <i>Journal of Nanotechnology</i> , 2023, 2023, 1-18.	1.5	2
3802	The Isolation and Structure Elucidation of Spirotetronate Lobophorins A, B, and H8 from <i>Streptomyces</i> sp. CB09030 and Their Biosynthetic Gene Cluster. <i>Molecules</i> , 2023, 28, 3597.	1.7	1
3803	Antimicrobial and anti-biofilm activity of silver nanoparticles biosynthesized with <i>Cystoseira</i> algae extracts. <i>Journal of Biological Inorganic Chemistry</i> , 2023, 28, 439-450.	1.1	5
3804	Biofilm microenvironment-responsive polymeric CO releasing micelles for enhanced amikacin efficacy. <i>Journal of Controlled Release</i> , 2023, 357, 561-571.	4.8	5
3805	Antibacterial and Anti-HIV Metabolites from Marine <i>Streptomyces albus</i> MAB56 Isolated from Andaman and Nicobar Islands, India. <i>Applied Biochemistry and Biotechnology</i> , 2023, 195, 7738-7754.	1.4	0
3905	Dispersion of Antimicrobial Agent and Its Antimicrobial Activity Assessment Methods: A Mini Review of Antimicrobial Natural Rubber Latex. <i>Springer Proceedings in Materials</i> , 2023, , 69-83.	0.1	0
3922	Green synthesis of silver nanoparticles, characterization and their biological efficacy. , 2024, , 117-139.		0
4114	Innovative Nanomaterials with Profound Antibacterial Action Applied in Biomedical Sciences. , 2023, , 673-694.		0
4154	Preparation, Antibacterial and Antiviral Activity Measurements and Detection Methods. <i>ACS Symposium Series</i> , 0, , 33-64.	0.5	0
4222	Synergism Between $\hat{\pm}$ -Terpineol and Terpinen-4-ol Potentiates Antivirulence Response Against <i>Pseudomonas aeruginosa</i> . <i>Indian Journal of Microbiology</i> , 0, , .	1.5	0
4225	Antibacterial and antifungal activities of natural deep eutectic solvents. <i>Applied Microbiology and Biotechnology</i> , 2024, 108, .	1.7	2
4237	Biofilm characterization: Imaging, analysis and considerations. <i>Methods in Microbiology</i> , 2024, , 39-79.	0.4	0
4275	Bibliometric Analysis of Antibacterial Drug Resistance. <i>Advances in Medical Diagnosis, Treatment, and Care</i> , 2024, , 196-245.	0.1	0