

Anti-virulence strategies to combat bacteria-mediated

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Synthesis of [4-(2-Hydroxyphenyl)thiazol-2-yl]methanones as Potential Bioisosteres of Salicylidene Acylhydrazides. <i>Molecules</i> , 2010, 15, 6019-6034.	1.7	4
2	A sensor kinase recognizing the cell-cell signal BDSF (cis-2-dodecenoic acid) regulates virulence in <i>Burkholderia cenocepacia</i> . <i>Molecular Microbiology</i> , 2010, 77, 1220-1236.	1.2	63
3	Toxin-Specific Antibodies for the Treatment of <i>Clostridium difficile</i> : Current Status and Future Perspectives. <i>Toxins</i> , 2010, 2, 998-1018.	1.5	45
4	Small Molecules That Modulate Quorum Sensing and Control Virulence in <i>Pseudomonas aeruginosa</i> . <i>Journal of Organic Chemistry</i> , 2010, 75, 6737-6746.	1.7	103
5	Chrysopaentins A-H, Antibacterial Bisdiarylbutene Macrocycles That Inhibit the Bacterial Cell Division Protein FtsZ. <i>Journal of the American Chemical Society</i> , 2010, 132, 9069-9077.	6.6	97
6	Design and Synthesis of 2-Arylbenzimidazoles and Evaluation of Their Inhibitory Effect against <i>Chlamydia pneumoniae</i> . <i>Journal of Medicinal Chemistry</i> , 2010, 53, 7664-7674.	2.9	49
7	Synthesis of 2-(2-Aminopyrimidine)-2,2-difluoroethanols as Potential Bioisosters of Salicylidene Acylhydrazides. <i>Molecules</i> , 2010, 15, 4423-4438.	1.7	7
8	Quorum sensing in <i>Acinetobacter</i> : an emerging pathogen. <i>Critical Reviews in Microbiology</i> , 2010, 36, 349-360.	2.7	125
9	Surface-mediated release of a synthetic small-molecule modulator of bacterial quorum sensing: Gradual release enhances activity. <i>Chemical Communications</i> , 2011, 47, 370-372.	2.2	29
11	Ecology and Evolution as Targets: the Need for Novel Eco-Evo Drugs and Strategies To Fight Antibiotic Resistance. <i>Antimicrobial Agents and Chemotherapy</i> , 2011, 55, 3649-3660.	1.4	171
12	Attenuation of Virulence in Pathogenic Bacteria Using Synthetic Quorum-Sensing Modulators under Native Conditions on Plant Hosts. <i>ACS Chemical Biology</i> , 2011, 6, 1348-1356.	1.6	48
13	Thiazole Orange-Induced c-di-GMP Quadruplex Formation Facilitates a Simple Fluorescent Detection of This Ubiquitous Biofilm Regulating Molecule. <i>Journal of the American Chemical Society</i> , 2011, 133, 4856-4864.	6.6	74
14	Recent advances in understanding the antibacterial properties of flavonoids. <i>International Journal of Antimicrobial Agents</i> , 2011, 38, 99-107.	1.1	878
15	Are nonlethal targets useful for developing novel antimicrobials?. <i>Future Microbiology</i> , 2011, 6, 605-607.	1.0	14
16	Anti-virulence Strategy against <i>Brucella suis</i> : Synthesis, Biological Evaluation and Molecular Modeling of Selective Histidinol Dehydrogenase Inhibitors. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 3681.	1.5	16
17	A complex relationship: the interaction among symbiotic microbes, invading pathogens, and their mammalian host. <i>Mucosal Immunology</i> , 2011, 4, 133-138.	2.7	68
18	Assessing Bacterial Adhesion on an Individual Adhesin and Single Pili Level Using Optical Tweezers. <i>Advances in Experimental Medicine and Biology</i> , 2011, 715, 301-313.	0.8	19
19	Diagnostics as essential tools for containing antibacterial resistance. <i>Drug Resistance Updates</i> , 2011, 14, 95-106.	6.5	99

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20	Synthesis and biological evaluation of a new class of anti-brucella compounds targeting histidinol dehydrogenase: $\hat{\pm}$ -O-arylketones and $\hat{\pm}$ -S-arylketones derived from histidine. <i>MedChemComm</i> , 2011, 2, 995.	3.5	4
21	A novel property of propolis (bee glue): Anti-pathogenic activity by inhibition of N-acyl-homoserine lactone mediated signaling in bacteria. <i>Journal of Ethnopharmacology</i> , 2011, 138, 788-797.	2.0	29
22	Communication with a growing family: diffusible signal factor (DSF) signaling in bacteria. <i>Trends in Microbiology</i> , 2011, 19, 145-152.	3.5	144
23	Modulation of <i>Pseudomonas aeruginosa</i> surface-associated group behaviors by individual amino acids through c-di-GMP signaling. <i>Research in Microbiology</i> , 2011, 162, 680-688.	1.0	120
24	Identification of Bacterial Target Proteins for the Salicylidene Acylhydrazide Class of Virulence-blocking Compounds. <i>Journal of Biological Chemistry</i> , 2011, 286, 29922-29931.	1.6	94
25	Probing bacterial pathogenesis with genetics, genomics, and chemical biology: past, present, and future approaches. <i>Critical Reviews in Biochemistry and Molecular Biology</i> , 2011, 46, 41-66.	2.3	4
26	Allicin Reduces the Production of $\hat{\pm}$ -Toxin by <i>Staphylococcus aureus</i> . <i>Molecules</i> , 2011, 16, 7958-7968.	1.7	41
27	Chrysin protects mice from <i>Staphylococcus aureus</i> pneumonia. <i>Journal of Applied Microbiology</i> , 2011, 111, 1551-1558.	1.4	44
28	Secondary metabolites and other small molecules as intercellular pathogenic signals. <i>FEMS Microbiology Letters</i> , 2011, 314, 10-17.	0.7	57
29	Isoalantolactone protects against <i>Staphylococcus aureus</i> pneumonia. <i>FEMS Microbiology Letters</i> , 2011, 324, 147-155.	0.7	41
30	Menthol diminishes <i>Staphylococcus aureus</i> virulence-associated extracellular proteins expression. <i>Applied Microbiology and Biotechnology</i> , 2011, 90, 705-712.	1.7	13
31	A multitask biosensor for micro-volumetric detection of N-3-oxo-dodecanoyl-homoserine lactone quorum sensing signal. <i>Biosensors and Bioelectronics</i> , 2011, 26, 3444-3449.	5.3	60
32	Adhesive polypeptides of <i>Staphylococcus aureus</i> identified using a novel secretion library technique in <i>Escherichia coli</i> . <i>BMC Microbiology</i> , 2011, 11, 117.	1.3	6
33	Quorum Sensing in Bacterial Species that Use Degenerate Autoinducers Can Be Tuned by Using Structurally Identical Non-native Ligands. <i>ChemBioChem</i> , 2011, 12, 138-147.	1.3	27
34	Potent and Selective Synthetic Modulators of a Quorum Sensing Repressor in <i>Pseudomonas aeruginosa</i> Identified from Second-Generation Libraries of N-Acylated Homoserine Lactones. <i>ChemBioChem</i> , 2011, 12, 942-949.	1.3	50
35	Thiolactone modulators of quorum sensing revealed through library design and screening. <i>Bioorganic and Medicinal Chemistry</i> , 2011, 19, 4820-4828.	1.4	87
36	Design, synthesis, and biological evaluation of abiotic, non-lactone modulators of LuxR-type quorum sensing. <i>Bioorganic and Medicinal Chemistry</i> , 2011, 19, 4812-4819.	1.4	50
37	The Sociomicrobiology of Antivirulence Drug Resistance: a Proof of Concept. <i>MBio</i> , 2011, 2, .	1.8	153

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38	Disruption of quorum sensing meets resistance. <i>Nature Reviews Microbiology</i> , 2011, 9, 767-767.	13.6	4
39	Small-molecule inhibitor binding to an <i>N</i> -acyl-homoserine lactone synthase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 12089-12094.	3.3	102
40	Structure and Function of DsbA, a Key Bacterial Oxidative Folding Catalyst. <i>Antioxidants and Redox Signaling</i> , 2011, 14, 1729-1760.	2.5	96
41	Processing the Interspecies Quorum-sensing Signal Autoinducer-2 (AI-2). <i>Journal of Biological Chemistry</i> , 2011, 286, 18331-18343.	1.6	55
42	Antivirulence agents against MRSA. <i>Future Medicinal Chemistry</i> , 2011, 3, 775-777.	1.1	23
43	Effective—a database of predicted secreted bacterial proteins. <i>Nucleic Acids Research</i> , 2011, 39, D591-D595.	6.5	102
44	Quorum Quenching Revisited—From Signal Decays to Signalling Confusion. <i>Sensors</i> , 2012, 12, 4661-4696.	2.1	140
45	Broad Spectrum Pro-Quorum-Sensing Molecules as Inhibitors of Virulence in <i>Vibrios</i> . <i>PLoS Pathogens</i> , 2012, 8, e1002767.	2.1	76
46	Baicalin Protects Mice From <i>Staphylococcus aureus</i> Pneumonia Via Inhibition of the Cytolytic Activity of α -Hemolysin. <i>Journal of Infectious Diseases</i> , 2012, 206, 292-301.	1.9	125
47	Inhibitor of streptokinase gene expression improves survival after group A streptococcus infection in mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 3469-3474.	3.3	50
48	Bacterial <i>cis</i> -2-unsaturated fatty acids found in the cystic fibrosis airway modulate virulence and persistence of <i>Pseudomonas aeruginosa</i> . <i>ISME Journal</i> , 2012, 6, 939-950.	4.4	98
49	Sub-lethal concentrations of <i>Muscari comosum</i> bulb extract suppress adhesion and induce detachment of sessile yeast cells. <i>Biofouling</i> , 2012, 28, 1107-1117.	0.8	15
50	Eight Stranded β -Barrel and Related Outer Membrane Proteins: Role in Bacterial Pathogenesis. <i>Protein and Peptide Letters</i> , 2012, 19, 1013-1025.	0.4	35
51	Resolving Biofilm Infections: Current Therapy and Drug Discovery Strategies. <i>Current Drug Targets</i> , 2012, 13, 1375-1385.	1.0	21
52	Monitoring of <i>Vibrio harveyi</i> quorum sensing activity in real time during infection of brine shrimp larvae. <i>ISME Journal</i> , 2012, 6, 2314-2319.	4.4	47
53	Role of the CAI-1 Fatty Acid Tail in the <i>Vibrio cholerae</i> Quorum Sensing Response. <i>Journal of Medicinal Chemistry</i> , 2012, 55, 9669-9681.	2.9	19
54	Aetheramides A and B, Potent HIV-Inhibitory Depsipeptides from a Myxobacterium of the New Genus <i>Aetherobacter</i> . <i>Organic Letters</i> , 2012, 14, 2854-2857.	2.4	53
55	Evolution of virulence in opportunistic pathogens: generalism, plasticity, and control. <i>Trends in Microbiology</i> , 2012, 20, 336-342.	3.5	321

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56	Impacts of Quorum Sensing on Microbial Metabolism and Human Health. <i>Advances in Biochemical Engineering/Biotechnology</i> , 2012, 131, 25-61.	0.6	28
57	Bacterial proteolytic complexes as therapeutic targets. <i>Nature Reviews Drug Discovery</i> , 2012, 11, 777-789.	21.5	98
58	Chemical methods to interrogate bacterial quorum sensing pathways. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 8189.	1.5	38
59	Zinc metalloenzymes as new targets against the bacterial pathogen <i>Brucella</i> . <i>Journal of Inorganic Biochemistry</i> , 2012, 111, 138-145.	1.5	20
60	The antibiotic resistome: challenge and opportunity for therapeutic intervention. <i>Future Medicinal Chemistry</i> , 2012, 4, 347-359.	1.1	24
61	Tannin derived materials can block swarming motility and enhance biofilm formation in <i>Pseudomonas aeruginosa</i> . <i>Biofouling</i> , 2012, 28, 1063-1076.	0.8	46
62	Engineering commensal bacteria for prophylaxis against infection. <i>Current Opinion in Biotechnology</i> , 2012, 23, 924-930.	3.3	26
63	Public Health, Communicable Diseases and Global Health. , 2012, , 169-201.		0
64	Quorum quenching quandary: resistance to antivirulence compounds. <i>ISME Journal</i> , 2012, 6, 493-501.	4.4	254
65	Isolimononic acid interferes with <i>Escherichia coli</i> O157:H7 biofilm and TTSS in QseBC and QseA dependent fashion. <i>BMC Microbiology</i> , 2012, 12, 261.	1.3	45
66	Chemical Inhibition of Bacterial Protein Tyrosine Phosphatase Suppresses Capsule Production. <i>PLoS ONE</i> , 2012, 7, e36312.	1.1	28
67	A Comparison of Computational Methods for Identifying Virulence Factors. <i>PLoS ONE</i> , 2012, 7, e42517.	1.1	29
68	The <i>Acinetobacter baumannii</i> Oxymoron: Commensal Hospital Dweller Turned Pan-Drug-Resistant Menace. <i>Frontiers in Microbiology</i> , 2012, 3, 148.	1.5	343
69	Shiga toxin in enterohemorrhagic <i>E.coli</i> : regulation and novel anti-virulence strategies. <i>Frontiers in Cellular and Infection Microbiology</i> , 2012, 2, 81.	1.8	126
71	Outcome and Prevention of <i>Pseudomonas aeruginosa</i> - <i>Staphylococcus aureus</i> Interactions During Pulmonary Infections in Cystic Fibrosis. , 2012, , .		4
73	Targeting Bacterial Toxins. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 4024-4045.	7.2	55
74	Development of Anti-Infectives Using Phage Display: Biological Agents against Bacteria, Viruses, and Parasites. <i>Antimicrobial Agents and Chemotherapy</i> , 2012, 56, 4569-4582.	1.4	85
75	Ammonium derivatives of chromenones and quinolinones as lead antimicrobial agents. <i>Journal of Chemical Sciences</i> , 2012, 124, 437-449.	0.7	15

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76	Multi-species biofilms: how to avoid unfriendly neighbors. <i>FEMS Microbiology Reviews</i> , 2012, 36, 972-989.	3.9	235
77	Glycyrrhetic acid protects mice from <i>Staphylococcus aureus</i> pneumonia. <i>FÄ-toterapÄ-Äç</i> , 2012, 83, 241-248.	1.1	32
78	Biofabrication of stratified biofilm mimics for observation and control of bacterial signaling. <i>Biomaterials</i> , 2012, 33, 5136-5143.	5.7	46
79	Interkingdom adenosine signal reduces <i>Pseudomonas aeruginosa</i> pathogenicity. <i>Microbial Biotechnology</i> , 2012, 5, 560-572.	2.0	12
80	Inhibiting host-pathogen interactions using membrane-based nanostructures. <i>Trends in Biotechnology</i> , 2012, 30, 323-330.	4.9	15
81	Fecundity compensation and tolerance to a sterilizing pathogen in <i>Daphnia</i> . <i>Journal of Evolutionary Biology</i> , 2012, 25, 1888-1896.	0.8	73
82	Chemical Biology Approaches Reveal Conserved Features of a C-terminal Processing PDZ Protease. <i>ChemBioChem</i> , 2012, 13, 402-408.	1.3	11
83	Identification of a New Class of FtsZ Inhibitors by Structure-Based Design and <i>in Vitro</i> Screening. <i>Journal of Chemical Information and Modeling</i> , 2013, 53, 2131-2140.	2.5	65
84	An aqueous extract of Yunnan Baiyao inhibits the quorum-sensing-related virulence of <i>Pseudomonas aeruginosa</i> . <i>Journal of Microbiology</i> , 2013, 51, 207-212.	1.3	17
85	Electrochemical characterization of globotriose-containing self-assembled monolayers on nanoporous gold and their binding of soybean agglutinin. <i>Carbohydrate Research</i> , 2013, 373, 9-17.	1.1	12
86	Isolation and characterization of gallium resistant <i>Pseudomonas aeruginosa</i> mutants. <i>International Journal of Medical Microbiology</i> , 2013, 303, 574-582.	1.5	57
87	Feast or famine: the host-pathogen battle over amino acids. <i>Cellular Microbiology</i> , 2013, 15, 1079-1087.	1.1	112
88	Resistance to Quorum-Quenching Compounds. <i>Applied and Environmental Microbiology</i> , 2013, 79, 6840-6846.	1.4	108
89	Secrets of a Secretin. <i>Structure</i> , 2013, 21, 2098-2099.	1.6	3
90	Quo vadis quorum quenching?. <i>Current Opinion in Pharmacology</i> , 2013, 13, 688-698.	1.7	57
91	Antimicrobial Resistance and Virulence: a Successful or Deleterious Association in the Bacterial World?. <i>Clinical Microbiology Reviews</i> , 2013, 26, 185-230.	5.7	775
92	Design, Synthesis, and Evaluation of Fimbricide-Nitric Oxide Donor Hybrids as Antimicrobial Agents. <i>Journal of Medicinal Chemistry</i> , 2013, 56, 9517-9529.	2.9	47
93	Inhibition of Î±-toxin production by subinhibitory concentrations of naringenin controls <i>Staphylococcus aureus</i> pneumonia. <i>FÄ-toterapÄ-Äç</i> , 2013, 86, 92-99.	1.1	47

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94	Targeting agr- and agr-Like Quorum Sensing Systems for Development of Common Therapeutics to Treat Multiple Gram-Positive Bacterial Infections. <i>Sensors</i> , 2013, 13, 5130-5166.	2.1	100
95	New Life for an Old Drug: the Anthelmintic Drug Niclosamide Inhibits <i>Pseudomonas aeruginosa</i> Quorum Sensing. <i>Antimicrobial Agents and Chemotherapy</i> , 2013, 57, 996-1005.	1.4	169
96	Apigenin alleviates the symptoms of <i>Staphylococcus aureus</i> pneumonia by inhibiting the production of alpha-hemolysin. <i>FEMS Microbiology Letters</i> , 2013, 338, 124-131.	0.7	53
97	Resistance to the quorum-quenching compounds brominated furanone C-30 and 5-fluorouracil in <i>Pseudomonas aeruginosa</i> clinical isolates. <i>Pathogens and Disease</i> , 2013, 68, 8-11.	0.8	93
98	The Human Microbiome: From Symbiosis to Pathogenesis. <i>Annual Review of Medicine</i> , 2013, 64, 145-163.	5.0	175
99	A biomimetic nanosponge that absorbs pore-forming toxins. <i>Nature Nanotechnology</i> , 2013, 8, 336-340.	15.6	608
100	Repurposing the antimycotic drug flucytosine for suppression of <i>Pseudomonas aeruginosa</i> pathogenicity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 7458-7463.	3.3	141
101	Doxycycline interferes with quorum sensing-mediated virulence factors and biofilm formation in Gram-negative bacteria. <i>World Journal of Microbiology and Biotechnology</i> , 2013, 29, 949-957.	1.7	55
102	Novel inhibitors of bacterial virulence: Development of 5,6-dihydrobenzo[h]quinazolin-4(3H)-ones for the inhibition of group A streptococcal streptokinase expression. <i>Bioorganic and Medicinal Chemistry</i> , 2013, 21, 1880-1897.	1.4	16
103	Highly Potent Inhibitors of Quorum Sensing in <i>Staphylococcus aureus</i> Revealed Through a Systematic Synthetic Study of the Group-III Autoinducing Peptide. <i>Journal of the American Chemical Society</i> , 2013, 135, 7869-7882.	6.6	118
104	Acyl-Homoserine Lactone Quorum Sensing: From Evolution to Application. <i>Annual Review of Microbiology</i> , 2013, 67, 43-63.	2.9	504
105	Alternative natural sources for a new generation of antibacterial agents. <i>International Journal of Antimicrobial Agents</i> , 2013, 42, 195-201.	1.1	109
106	Plant-derived bioactive compounds at sub-lethal concentrations: towards smart biocide-free antibiofilm strategies. <i>Phytochemistry Reviews</i> , 2013, 12, 245-254.	3.1	40
107	Structural Characterization of Native Autoinducing Peptides and Abiotic Analogues Reveals Key Features Essential for Activation and Inhibition of an AgrC Quorum Sensing Receptor in <i>Staphylococcus aureus</i> . <i>Journal of the American Chemical Society</i> , 2013, 135, 18436-18444.	6.6	49
108	Small molecules aimed at type III secretion systems to inhibit bacterial virulence. <i>MedChemComm</i> , 2013, 4, 68-79.	3.5	27
109	The KdpD/KdpE Two-Component System: Integrating K ⁺ Homeostasis and Virulence. <i>PLoS Pathogens</i> , 2013, 9, e1003201.	2.1	119
110	Development of Quorum-Based Anti-Virulence Therapeutics Targeting Gram-Negative Bacterial Pathogens. <i>International Journal of Molecular Sciences</i> , 2013, 14, 16570-16599.	1.8	100
111	Identification of a Small-Molecule Inhibitor of Bacterial AraC Family Activators. <i>Journal of Biomolecular Screening</i> , 2013, 18, 588-598.	2.6	19

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112	Disarming Bacterial Virulence through Chemical Inhibition of the DNA Binding Domain of an AraC-like Transcriptional Activator Protein. <i>Journal of Biological Chemistry</i> , 2013, 288, 31115-31126.	1.6	23
113	Discovery of Antivirulence Agents against Methicillin-Resistant <i>Staphylococcus aureus</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2013, 57, 3645-3652.	1.4	116
114	Small-Molecule Inhibitor of the <i>Shigella flexneri</i> Master Virulence Regulator VirF. <i>Infection and Immunity</i> , 2013, 81, 4220-4231.	1.0	51
115	<i>Escherichia coli</i> Resistance to Nonbiocidal Antibiofilm Polysaccharides Is Rare and Mediated by Multiple Mutations Leading to Surface Physicochemical Modifications. <i>Antimicrobial Agents and Chemotherapy</i> , 2013, 57, 3960-3968.	1.4	24
116	Antibacterial and Antidiarrheal Activities of Plant Products against Enterotoxinogenic <i>Escherichia coli</i> . <i>Toxins</i> , 2013, 5, 2009-2041.	1.5	48
117	A FimH Inhibitor Prevents Acute Bladder Infection and Treats Chronic Cystitis Caused by Multidrug-Resistant Uropathogenic <i>Escherichia coli</i> ST131. <i>Journal of Infectious Diseases</i> , 2013, 208, 921-928.	1.9	116
118	Surface-Mediated Release of a Small-Molecule Modulator of Bacterial Biofilm Formation: A Non-Bactericidal Approach to Inhibiting Biofilm Formation in <i>Pseudomonas aeruginosa</i> . <i>Advanced Healthcare Materials</i> , 2013, 2, 993-1000.	3.9	25
119	Bioengineered probiotics, a strategic approach to control enteric infections. <i>Bioengineered</i> , 2013, 4, 379-387.	1.4	54
120	Liquiritigenin prevents <i>Staphylococcus aureus</i> -mediated lung cell injury via inhibiting the production of α -hemolysin. <i>Journal of Asian Natural Products Research</i> , 2013, 15, 390-399.	0.7	27
121	Identification of Four New agr Quorum Sensing-Interfering Cyclodepsipeptides from a Marine Photobacterium. <i>Marine Drugs</i> , 2013, 11, 5051-5062.	2.2	42
122	A New Transcriptional Repressor of the <i>Pseudomonas aeruginosa</i> Quorum Sensing Receptor Gene lasR. <i>PLoS ONE</i> , 2013, 8, e69554.	1.1	21
123	Comparative Sequence, Structure and Redox Analyses of <i>Klebsiella pneumoniae</i> DsbA Show That Anti-Virulence Target DsbA Enzymes Fall into Distinct Classes. <i>PLoS ONE</i> , 2013, 8, e80210.	1.1	24
124	The Resveratrol Tetramer (-)-Hopeaphenol Inhibits Type III Secretion in the Gram-Negative Pathogens <i>Yersinia pseudotuberculosis</i> and <i>Pseudomonas aeruginosa</i> . <i>PLoS ONE</i> , 2013, 8, e81969.	1.1	69
125	Antivirulence activity of azithromycin in <i>Pseudomonas aeruginosa</i> . <i>Frontiers in Microbiology</i> , 2014, 5, 178.	1.5	107
126	Small-Molecule Inhibitors of the Pseudaminic Acid Biosynthetic Pathway: Targeting Motility as a Key Bacterial Virulence Factor. <i>Antimicrobial Agents and Chemotherapy</i> , 2014, 58, 7430-7440.	1.4	36
127	QseC Inhibitors as an Antivirulence Approach for Gram-Negative Pathogens. <i>MBio</i> , 2014, 5, e02165.	1.8	110
128	Crystal Structure of the Dithiol Oxidase DsbA Enzyme from <i>Proteus mirabilis</i> Bound Non-covalently to an Active Site Peptide Ligand. <i>Journal of Biological Chemistry</i> , 2014, 289, 19810-19822.	1.6	20
129	Structure of the <i>Acinetobacter baumannii</i> Dithiol Oxidase DsbA Bound to Elongation Factor EF-Tu Reveals a Novel Protein Interaction Site. <i>Journal of Biological Chemistry</i> , 2014, 289, 19869-19880.	1.6	16

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130	Puerarin Protects Against <i>Staphylococcus aureus</i> -Induced Injury of Human Alveolar Epithelial A549 Cells via Downregulating Alpha-Hemolysin Secretion. <i>Microbial Drug Resistance</i> , 2014, 20, 357-363.	0.9	19
131	Identification of Anti-virulence Compounds That Disrupt Quorum-Sensing Regulated Acute and Persistent Pathogenicity. <i>PLoS Pathogens</i> , 2014, 10, e1004321.	2.1	238
132	Limiting Damage during Infection: Lessons from Infection Tolerance for Novel Therapeutics. <i>PLoS Biology</i> , 2014, 12, e1001769.	2.6	111
133	Carvacrol and trans-Cinnamaldehyde Reduce <i>Clostridium difficile</i> Toxin Production and Cytotoxicity in Vitro. <i>International Journal of Molecular Sciences</i> , 2014, 15, 4415-4430.	1.8	52
134	Host-specific induction of <i>Escherichia coli</i> fitness genes during human urinary tract infection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 18327-18332.	3.3	215
135	Antiadhesion agents against Gram-positive pathogens. <i>Future Microbiology</i> , 2014, 9, 1209-1220.	1.0	62
136	Structure-based Design, Synthesis, and Biological Evaluation of Isatin Derivatives as Potential Glycosyltransferase Inhibitors. <i>Chemical Biology and Drug Design</i> , 2014, 84, 685-696.	1.5	19
137	Biogenic tellurium nanorods as a novel antivirulence agent inhibiting pyoverdine production in <i>Pseudomonas aeruginosa</i> . <i>Biotechnology and Bioengineering</i> , 2014, 111, 858-865.	1.7	34
138	Subtilase SprP exerts pleiotropic effects in <i>Pseudomonas aeruginosa</i> . <i>MicrobiologyOpen</i> , 2014, 3, 89-103.	1.2	12
139	Inhibition of the Ferric Uptake Regulator by Peptides Derived from Anti-FUR Peptide Aptamers: Coupled Theoretical and Experimental Approaches. <i>ACS Chemical Biology</i> , 2014, 9, 2779-2786.	1.6	11
141	Will antimicrobial resistance of BRD pathogens impact BRD management in the future?. <i>Animal Health Research Reviews</i> , 2014, 15, 175-177.	1.4	2
142	Gallium-mediated siderophore quenching as an evolutionarily robust antibacterial treatment. <i>Evolution, Medicine and Public Health</i> , 2014, 2014, 18-29.	1.1	106
143	FusoBase: an online Fusobacterium comparative genomic analysis platform. <i>Database: the Journal of Biological Databases and Curation</i> , 2014, 2014, bau082-bau082.	1.4	5
144	Combating Pathogenic Microorganisms Using Plant-Derived Antimicrobials: A Minireview of the Mechanistic Basis. <i>BioMed Research International</i> , 2014, 2014, 1-18.	0.9	142
145	Proton and gallium(III) binding properties of a biologically active salicylidene acylhydrazide. <i>Journal of Inorganic Biochemistry</i> , 2014, 138, 9-15.	1.5	12
146	Structural basis for the rational design of new anti-Brucella agents: The crystal structure of the C366S mutant of l-histidinol dehydrogenase from <i>Brucella suis</i> . <i>Biochimie</i> , 2014, 97, 114-120.	1.3	9
147	Inhibition of the sodium-translocating NADH-ubiquinone oxidoreductase [Na ⁺ -NQR] decreases cholera toxin production in <i>Vibrio cholerae</i> O1 at the late exponential growth phase. <i>Microbial Pathogenesis</i> , 2014, 66, 36-39.	1.3	24
148	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

#	ARTICLE	IF	CITATIONS
149	Four structural subclasses of the antivirulence drug target disulfide oxidoreductase DsbA provide a platform for design of subclass-specific inhibitors. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2014, 1844, 1391-1401.	1.1	39
150	Targeting virulence: can we make evolution-proof drugs?. <i>Nature Reviews Microbiology</i> , 2014, 12, 300-308.	13.6	446
151	Development of tag-free photoprobes for studies aimed at identifying the target of novel Group A <i>Streptococcus</i> antivirulence agents. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014, 24, 1538-1544.	1.0	9
152	Overcoming the Unexpected Functional Inversion of a PqsR Antagonist in <i>Pseudomonas aeruginosa</i> : An In Vivo Potent Antivirulence Agent Targeting Pqs Quorum Sensing. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 1109-1112.	7.2	83
153	A novel Omp25-binding peptide screened by phage display can inhibit <i>Brucella abortus</i> 2308 infection in vitro and in vivo. <i>Journal of Medical Microbiology</i> , 2014, 63, 780-787.	0.7	7
154	The Role of Bacterial Protein Tyrosine Phosphatases in the Regulation of the Biosynthesis of Secreted Polysaccharides. <i>Antioxidants and Redox Signaling</i> , 2014, 20, 2274-2289.	2.5	39
155	Genome-wide dissection of the quorum sensing signalling pathway in <i>Trypanosoma brucei</i> . <i>Nature</i> , 2014, 505, 681-685.	13.7	186
156	Highly potent, chemically stable quorum sensing agonists for <i>Vibrio cholerae</i> . <i>Chemical Science</i> , 2014, 5, 151-155.	3.7	19
157	High-Throughput Screening Using the Differential Radial Capillary Action of Ligand Assay Identifies Ebselen As an Inhibitor of Diguanilate Cyclases. <i>ACS Chemical Biology</i> , 2014, 9, 183-192.	1.6	103
158	Combinatorial quorum sensing allows bacteria to resolve their social and physical environment. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 4280-4284.	3.3	163
159	Sortase A: An ideal target for anti-virulence drug development. <i>Microbial Pathogenesis</i> , 2014, 77, 105-112.	1.3	145
160	Gut microbiome composition and function in experimental colitis during active disease and treatment-induced remission. <i>ISME Journal</i> , 2014, 8, 1403-1417.	4.4	352
161	Nonantibiotic-Based <i>Pseudomonas aeruginosa</i> Biofilm Inhibition with Osmoprotectant Analogues. <i>ACS Sustainable Chemistry and Engineering</i> , 2014, 2, 2448-2453.	3.2	20
162	Glycopolymers with secondary binding motifs mimic glycan branching and display bacterial lectin selectivity in addition to affinity. <i>Chemical Science</i> , 2014, 5, 1611-1616.	3.7	69
163	Polybacterial human disease: the ills of social networking. <i>Trends in Microbiology</i> , 2014, 22, 508-516.	3.5	147
164	Importance of biofilm formation and dipeptidyl peptidase IV for the pathogenicity of clinical <i>Porphyromonas gingivalis</i> isolates. <i>Pathogens and Disease</i> , 2014, 70, 408-413.	0.8	20
165	Antibodies to PhnD Inhibit Staphylococcal Biofilms. <i>Infection and Immunity</i> , 2014, 82, 3764-3774.	1.0	25
166	Suppression of type 1 pilus assembly in uropathogenic <i>Escherichia coli</i> by chemical inhibition of subunit polymerization. <i>Journal of Antimicrobial Chemotherapy</i> , 2014, 69, 1017-1026.	1.3	41

#	ARTICLE	IF	CITATIONS
167	Targeting Bacterial Virulence: The Coming Out of Type VII Secretion Inhibitors. <i>Cell Host and Microbe</i> , 2014, 16, 430-432.	5.1	7
168	Insights into substrate binding and catalysis in bacterial type VII dehydroquinase. <i>Biochemical Journal</i> , 2014, 462, 415-424.	1.7	8
169	Computer based screening for novel inhibitors against <i>Vibrio cholerae</i> using NCI diversity set-II: An alternative approach by targeting transcriptional activator ToxT. <i>Interdisciplinary Sciences, Computational Life Sciences</i> , 2014, 6, 108-117.	2.2	7
170	Sonochemically Processed Cationic Nanocapsules: Efficient Antimicrobials with Membrane Disturbing Capacity. <i>Biomacromolecules</i> , 2014, 15, 1365-1374.	2.6	46
171	Quorum quenching is an antivirulence strategy employed by endophytic bacteria. <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 7173-7183.	1.7	60
172	Construction of an inducible system for the analysis of essential genes in <i>Yersinia pestis</i> . <i>Journal of Microbiological Methods</i> , 2014, 100, 1-7.	0.7	4
173	A Lactone-Based Antivirulence Drug Ameliorates <i>Staphylococcus aureus</i> Skin Infections in Mice. <i>ChemMedChem</i> , 2014, 9, 710-713.	1.6	35
174	The art of antibacterial warfare: Deception through interference with quorum sensing-mediated communication. <i>Bioorganic Chemistry</i> , 2014, 55, 60-68.	2.0	105
175	Chlamydial biology and its associated virulence blockers. <i>Critical Reviews in Microbiology</i> , 2014, 40, 313-328.	2.7	4
176	Total synthesis and structural validation of cyclodepsipeptides solonamide A and B. <i>Tetrahedron</i> , 2014, 70, 7721-7732.	1.0	21
177	Antiadhesive Properties of Arabinogalactan Protein from <i>Ribes nigrum</i> Seeds against Bacterial Adhesion of <i>Helicobacter pylori</i> . <i>Molecules</i> , 2014, 19, 3696-3717.	1.7	25
178	Cell-to-Cell Signaling in <i>Escherichia coli</i> and <i>Salmonella</i> . <i>EcoSal Plus</i> , 2014, 6, .	2.1	34
179	Surface Coatings that Promote Rapid Release of Peptide-Based AgrC Inhibitors for Attenuation of Quorum Sensing in <i>Staphylococcus aureus</i> . <i>Advanced Healthcare Materials</i> , 2014, 3, 97-105.	3.9	30
181	Discovery of Inhibitors of Shiga Toxin Type 2 by On-Plate Generation and Screening of a Focused Compound Library. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 1510-1515.	7.2	14
182	A Delicate Nanoscale Motor Made by Nature—The Bacterial Flagellar Motor. <i>Advanced Science</i> , 2015, 2, 1500129.	5.6	23
184	Virulence and Fitness Determinants of Uropathogenic <i>Escherichia coli</i> . <i>Microbiology Spectrum</i> , 2015, 3, .	1.2	175
186	Inhibition of microRNA-155 relieves sepsis-induced liver injury through inactivating the JAK/STAT pathway. <i>Molecular Medicine Reports</i> , 2015, 12, 6013-6018.	1.1	32
187	Molecular tweeting. , 2015, , .		5

#	ARTICLE	IF	CITATIONS
188	Î²-sitosterol interacts with pneumolysin to prevent <i>Streptococcus pneumoniae</i> infection. <i>Scientific Reports</i> , 2015, 5, 17668.	1.6	49
189	Mechanisms of Competition in Biofilm Communities. <i>Microbiology Spectrum</i> , 2015, 3, .	1.2	77
190	Augmentation of Cationic Antimicrobial Peptide Production with Histone Deacetylase Inhibitors as a Novel Epigenetic Therapy for Bacterial Infections. <i>Antibiotics</i> , 2015, 4, 44-61.	1.5	28
191	MAE4, an eLtaS monoclonal antibody, blocks <i>Staphylococcus aureus</i> virulence. <i>Scientific Reports</i> , 2015, 5, 17215.	1.6	6
192	Inhibition of quorum-sensing-dependent virulence factors and biofilm formation of clinical and environmental <i>Pseudomonas aeruginosa</i> strains by ZnO nanoparticles. <i>Letters in Applied Microbiology</i> , 2015, 61, 299-305.	1.0	86
193	Emerging Concepts Promising New Horizons for Marine Biodiscovery and Synthetic Biology. <i>Marine Drugs</i> , 2015, 13, 2924-2954.	2.2	61
194	Inhibiting Microbial Toxins Using Plant-Derived Compounds and Plant Extracts. <i>Medicines (Basel)</i> , 2015, 4, 100-107.	0.7	36
195	Development of a Novel Antimicrobial Screening System Targeting the Pyoverdine-Mediated Iron Acquisition System and Xenobiotic Efflux Pumps. <i>Molecules</i> , 2015, 20, 7790-7806.	1.7	0
196	Acetylated Rhamnogalacturonans from Immature Fruits of <i>Abelmoschus esculentus</i> Inhibit the Adhesion of <i>Helicobacter pylori</i> to Human Gastric Cells by Interaction with Outer Membrane Proteins. <i>Molecules</i> , 2015, 20, 16770-16787.	1.7	31
197	Small-Molecule Inhibitors of the Type III Secretion System. <i>Molecules</i> , 2015, 20, 17659-17674.	1.7	48
198	Control of Biofilms with the Fatty Acid Signaling Molecule cis-2-Decenoic Acid. <i>Pharmaceuticals</i> , 2015, 8, 816-835.	1.7	81
199	From ingestion to colonization: the influence of the host environment on regulation of the LEE encoded type III secretion system in enterohaemorrhagic <i>Escherichia coli</i> . <i>Frontiers in Microbiology</i> , 2015, 6, 568.	1.5	61
200	The therapeutic effect of chlorogenic acid against <i>Staphylococcus aureus</i> infection through sortase A inhibition. <i>Frontiers in Microbiology</i> , 2015, 6, 1031.	1.5	59
201	Unravelling the Structural and Molecular Basis Responsible for the Anti-Biofilm Activity of Zosteric Acid. <i>PLoS ONE</i> , 2015, 10, e0131519.	1.1	45
202	Virtual Screening of Peptide and Peptidomimetic Fragments Targeted to Inhibit Bacterial Dithiol Oxidase DsbA. <i>PLoS ONE</i> , 2015, 10, e0133805.	1.1	16
203	Developing multi-target therapeutics to fine-tune the evolutionary dynamics of the cancer ecosystem. <i>Frontiers in Pharmacology</i> , 2015, 6, 209.	1.6	47
204	Chemical Composition and Disruption of Quorum Sensing Signaling in Geographically Diverse United States Propolis. <i>Evidence-based Complementary and Alternative Medicine</i> , 2015, 2015, 1-10.	0.5	31
205	Effect of tannic and gallic acids alone or in combination with carbenicillin or tetracycline on <i>Chromobacterium violaceum</i> CV026 growth, motility, and biofilm formation. <i>Canadian Journal of Microbiology</i> , 2015, 61, 487-494.	0.8	12

#	ARTICLE	IF	CITATIONS
206	Engineering redâ€bloodâ€cellâ€membraneâ€coated nanoparticles for broad biomedical applications. AICHE Journal, 2015, 61, 738-746.	1.8	80
207	Strategies for Silencing Bacterial Communication. , 2015, , 197-216.		3
208	The Carbonic Anhydrase Inhibitor Ethoxzolamide Inhibits the Mycobacterium tuberculosis PhoPR Regulon and Esx-1 Secretion and Attenuates Virulence. Antimicrobial Agents and Chemotherapy, 2015, 59, 4436-4445.	1.4	99
209	Bacterial Secretions of Nonpathogenic Escherichia coli Elicit Inflammatory Pathways: a Closer Investigation of Interkingdom Signaling. MBio, 2015, 6, e00025.	1.8	67
210	Anti-virulence Strategies to Target Bacterial Infections. Current Topics in Microbiology and Immunology, 2015, 398, 147-183.	0.7	141
211	Targeting quorum sensing by designing azoline derivatives to inhibit the N-hexanoyl homoserine lactone-receptor CviR: Synthesis as well as biological and theoretical evaluations. Bioorganic and Medicinal Chemistry, 2015, 23, 7565-7577.	1.4	17
212	Application of Fragmentâ€Based Screening to the Design of Inhibitors of <i>Escherichia coli</i> DsbA. Angewandte Chemie - International Edition, 2015, 54, 2179-2184.	7.2	46
213	A genome to unveil the mysteries of orchids. Nature Genetics, 2015, 47, 3-4.	9.4	10
214	Pseudomonas aeruginosa adaptation to human hosts. Nature Genetics, 2015, 47, 2-3.	9.4	15
215	Anti-infective effects of Brazilian Caatinga plants against pathogenic bacterial biofilm formation. Pharmaceutical Biology, 2015, 53, 464-468.	1.3	21
216	Collective sensing and collective responses in quorum-sensing bacteria. Journal of the Royal Society Interface, 2015, 12, 20140882.	1.5	99
217	Modulating <i>Vibrio cholerae</i> Quorum-Sensing-Controlled Communication Using Autoinducer-Loaded Nanoparticles. Nano Letters, 2015, 15, 2235-2241.	4.5	47
218	Small Molecule Inhibitors of Disulfide Bond Formation by the Bacterial DsbAâ€DsbB Dual Enzyme System. ACS Chemical Biology, 2015, 10, 957-964.	1.6	27
219	Development of Potent Inhibitors of Pyocyanin Production in <i>Pseudomonas aeruginosa</i>. Journal of Medicinal Chemistry, 2015, 58, 1298-1306.	2.9	50
220	HIV Protease Inhibitors Block Streptolysin S Production. ACS Chemical Biology, 2015, 10, 1217-1226.	1.6	15
221	Control vs. eradication: Applying infectious disease treatment strategies to cancer. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 937-938.	3.3	35
222	Potent Irreversible Inhibitors of LasR Quorum Sensing in <i>Pseudomonas aeruginosa</i>. ACS Medicinal Chemistry Letters, 2015, 6, 162-167.	1.3	52
223	Design of Antibacterial Agents. , 2015, , 611-626.		0

#	ARTICLE	IF	CITATIONS
224	Virulence-Targeted Antibacterials: Concept, Promise, and Susceptibility to Resistance Mechanisms. <i>Chemical Biology and Drug Design</i> , 2015, 86, 379-399.	1.5	66
226	Unraveling the contributions of hydrogen-bonding interactions to the activity of native and non-native ligands in the quorum-sensing receptor LasR. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 1453-1462.	1.5	25
227	Small Molecule Disruption of Quorum Sensing Cross-Regulation in <i>Pseudomonas aeruginosa</i> Causes Major and Unexpected Alterations to Virulence Phenotypes. <i>Journal of the American Chemical Society</i> , 2015, 137, 1510-1519.	6.6	142
228	Morin hydrate attenuates <i>Staphylococcus aureus</i> virulence by inhibiting the self-assembly of α -hemolysin. <i>Journal of Applied Microbiology</i> , 2015, 118, 753-763.	1.4	51
229	Derivative of plant phenolic compound inhibits the type III secretion system of <i>Dickeya dadantii</i> via HrpX/HrpY two-component signal transduction and HrpR/HrpS systems. <i>Molecular Plant Pathology</i> , 2015, 16, 150-163.	2.0	33
230	Enzyme multilayer coatings inhibit <i>Pseudomonas aeruginosa</i> biofilm formation on urinary catheters. <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 4373-4385.	1.7	92
231	Liposomes as novel anti-infectives targeting bacterial virulence factors?. <i>Expert Review of Anti-Infective Therapy</i> , 2015, 13, 531-533.	2.0	17
232	Bacterially Antiadhesive, Optically Transparent Surfaces Inspired from Rice Leaves. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 19274-19281.	4.0	53
233	Teaching old drugs new tricks: Addressing resistance in <i>Francisella</i> . <i>Virulence</i> , 2015, 6, 414-416.	1.8	2
234	High variability in quorum quenching and growth inhibition by furanone C-30 in <i>Pseudomonas aeruginosa</i> clinical isolates from cystic fibrosis patients. <i>Pathogens and Disease</i> , 2015, 73, ftv040.	0.8	57
235	An ensemble-guided approach identifies ClpP as a major regulator of transcript levels in nitric oxide-stressed <i>Escherichia coli</i> . <i>Metabolic Engineering</i> , 2015, 31, 22-34.	3.6	30
236	Toward Repositioning Niclosamide for Antivirulence Therapy of <i>Pseudomonas aeruginosa</i> Lung Infections: Development of Inhalable Formulations through Nanosuspension Technology. <i>Molecular Pharmaceutics</i> , 2015, 12, 2604-2617.	2.3	64
237	Inorganic nanoparticles engineered to attack bacteria. <i>Chemical Society Reviews</i> , 2015, 44, 7787-7807.	18.7	228
238	Screen of FDA-approved drug library identifies maprotiline, an antibiofilm and antivirulence compound with QseC sensor-kinase dependent activity in <i>Francisella novicida</i> . <i>Virulence</i> , 2015, 6, 487-503.	1.8	33
239	Engineering nanoparticles to silence bacterial communication. <i>Frontiers in Microbiology</i> , 2015, 6, 189.	1.5	57
240	Recent progress in the development of sortase A inhibitors as novel anti-bacterial virulence agents. <i>RSC Advances</i> , 2015, 5, 49880-49889.	1.7	33
241	10-Hydroxyemodin Limits <i>Staphylococcus aureus</i> Quorum Sensing-Mediated Pathogenesis and Inflammation. <i>Antimicrobial Agents and Chemotherapy</i> , 2015, 59, 2223-2235.	1.4	110
242	Development and Validation of a High-Throughput Cell-Based Screen To Identify Activators of a Bacterial Two-Component Signal Transduction System. <i>Antimicrobial Agents and Chemotherapy</i> , 2015, 59, 3789-3799.	1.4	16

#	ARTICLE	IF	CITATIONS
243	Drug repurposing as an alternative for the treatment of recalcitrant bacterial infections. <i>Frontiers in Microbiology</i> , 2015, 6, 282.	1.5	143
244	Hydrogel Retaining Toxin-Absorbing Nanosponges for Local Treatment of Methicillin-Resistant <i>Staphylococcus aureus</i> Infection. <i>Advanced Materials</i> , 2015, 27, 3437-3443.	11.1	114
245	Recent functional insights into the role of (p)ppGpp in bacterial physiology. <i>Nature Reviews Microbiology</i> , 2015, 13, 298-309.	13.6	703
246	Engineered nanoparticles mimicking cell membranes for toxin neutralization. <i>Advanced Drug Delivery Reviews</i> , 2015, 90, 69-80.	6.6	109
247	Phloretin derived from apple can reduce alpha-hemolysin expression in methicillin-resistant <i>Staphylococcus aureus</i> USA300. <i>World Journal of Microbiology and Biotechnology</i> , 2015, 31, 1259-1265.	1.7	19
248	Synthesis, quorum sensing inhibition and docking studies of 1,5-dihydropyrrol-2-ones. <i>Bioorganic and Medicinal Chemistry</i> , 2015, 23, 7366-7377.	1.4	23
249	A Comparative Analysis of Synthetic Quorum Sensing Modulators in <i>Pseudomonas aeruginosa</i> : New Insights into Mechanism, Active Efflux Susceptibility, Phenotypic Response, and Next-Generation Ligand Design. <i>Journal of the American Chemical Society</i> , 2015, 137, 14626-14639.	6.6	81
250	Circumventing resistance to anti-infective agents. <i>Expert Opinion on Pharmacotherapy</i> , 2015, 16, 149-150.	0.9	3
251	Roles of Indole as an Interspecies and Interkingdom Signaling Molecule. <i>Trends in Microbiology</i> , 2015, 23, 707-718.	3.5	396
252	Partial Saturation of Menaquinone in <i>Mycobacterium tuberculosis</i> : Function and Essentiality of a Novel Reductase, MenJ. <i>ACS Central Science</i> , 2015, 1, 292-302.	5.3	71
253	Hybrids of acylated homoserine lactone and nitric oxide donors as inhibitors of quorum sensing and virulence factors in <i>Pseudomonas aeruginosa</i> . <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 9850-9861.	1.5	18
254	Sortase A Inhibitors: Recent Advances and Future Perspectives. <i>Journal of Medicinal Chemistry</i> , 2015, 58, 9108-9123.	2.9	107
255	Nanoporous Superhydrophobic Coatings that Promote the Extended Release of Water-Labile Quorum Sensing Inhibitors and Enable Long-Term Modulation of Quorum Sensing in <i>Staphylococcus aureus</i> . <i>ACS Biomaterials Science and Engineering</i> , 2015, 1, 1039-1049.	2.6	43
256	Timescales and Frequencies of Reversible and Irreversible Adhesion Events of Single Bacterial Cells. <i>Analytical Chemistry</i> , 2015, 87, 12032-12039.	3.2	63
257	Peptide Inhibitors of the <i>Escherichia coli</i> DsbA Oxidative Machinery Essential for Bacterial Virulence. <i>Journal of Medicinal Chemistry</i> , 2015, 58, 577-587.	2.9	42
258	Antimicrobial activity of a quinuclidine-based FtsZ inhibitor and its synergistic potential with β -lactam antibiotics. <i>Journal of Antibiotics</i> , 2015, 68, 253-258.	1.0	35
259	Adherence inhibition of enteric pathogens to epithelial cells by bovine colostrum fractions. <i>International Dairy Journal</i> , 2015, 40, 24-32.	1.5	18
260	Indole-based novel small molecules for the modulation of bacterial signalling pathways. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 925-937.	1.5	50

#	ARTICLE	IF	CITATIONS
261	Antibiotic Adjuvants: Diverse Strategies for Controlling Drug-Resistant Pathogens. <i>Chemical Biology and Drug Design</i> , 2015, 85, 56-78.	1.5	245
262	Pathogenicity phenomena in three model systems: from network mining to emerging system-level properties. <i>Briefings in Bioinformatics</i> , 2015, 16, 169-182.	3.2	1
263	Old War, New Battle, New Fighters!. <i>Journal of Infectious Diseases</i> , 2015, 211, 1361-1363.	1.9	2
264	Fisetin Inhibits <i>Listeria monocytogenes</i> Virulence by Interfering With the Oligomerization of Listeriolysin O. <i>Journal of Infectious Diseases</i> , 2015, 211, 1376-1387.	1.9	78
265	Anti-quorum sensing activity of flavonoid-rich fraction from <i>Centella asiatica</i> L. against <i>Pseudomonas aeruginosa</i> PAO1. <i>Journal of Microbiology, Immunology and Infection</i> , 2016, 49, 8-15.	1.5	96
266	Virulence and Fitness Determinants of Uropathogenic <i>Escherichia coli</i> . , 0, , 235-261.		8
267	Innovative Solutions to Sticky Situations: Antiadhesive Strategies for Treating Bacterial Infections. , 2016, , 753-795.		0
268	Baicalein attenuates the quorum sensing-controlled virulence factors of <i>Pseudomonas aeruginosa</i> and relieves the inflammatory response in <i>P. aeruginosa</i> -infected macrophages by downregulating the MAPK and NF- κ B signal-transduction pathways. <i>Drug Design, Development and Therapy</i> , 2016, 10, 183.	2.0	87
269	Laboratory systems as an antibacterial resistance containment tool in Africa. <i>African Journal of Laboratory Medicine</i> , 2016, 5, 497.	0.2	8
270	Efficacy of Plant-Derived Antimicrobials in Controlling Enterohemorrhagic <i>Escherichia coli</i> Virulence In Vitro. <i>Journal of Food Protection</i> , 2016, 79, 1965-1970.	0.8	19
271	The arsenal of pathogens and antivirulence therapeutic strategies for disarming them. <i>Drug Design, Development and Therapy</i> , 2016, 10, 1795.	2.0	31
272	Targeting <i>Staphylococcus aureus</i> Toxins: A Potential form of Anti-Virulence Therapy. <i>Toxins</i> , 2016, 8, 72.	1.5	214
273	In Search of Alternative Antibiotic Drugs: Quorum-Quenching Activity in Sponges and their Bacterial Isolates. <i>Frontiers in Microbiology</i> , 2016, 7, 416.	1.5	66
274	Selection of the N-Acylhomoserine Lactone-Degrading Bacterium <i>Alteromonas stellipolaris</i> PQQ-42 and of Its Potential for Biocontrol in Aquaculture. <i>Frontiers in Microbiology</i> , 2016, 7, 646.	1.5	65
275	Cross-Talk between <i>Staphylococcus aureus</i> and Other Staphylococcal Species via the agr Quorum Sensing System. <i>Frontiers in Microbiology</i> , 2016, 7, 1733.	1.5	67
276	Do Bacterial "Virulence Factors" Always Increase Virulence? A Meta-Analysis of Pyoverdine Production in <i>Pseudomonas aeruginosa</i> As a Test Case. <i>Frontiers in Microbiology</i> , 2016, 7, 1952.	1.5	33
277	Cinnamaldehyde Inhibits <i>Staphylococcus aureus</i> Virulence Factors and Protects against Infection in a <i>Galleria mellonella</i> Model. <i>Frontiers in Microbiology</i> , 2016, 7, 2052.	1.5	61
278	Persistent Persister Misperceptions. <i>Frontiers in Microbiology</i> , 2016, 07, 2134.	1.5	72

#	ARTICLE	IF	CITATIONS
279	The Multifaceted Activity of the VirF Regulatory Protein in the Shigella Lifestyle. <i>Frontiers in Molecular Biosciences</i> , 2016, 3, 61.	1.6	36
280	Anti-biofilm Activity as a Health Issue. <i>Frontiers in Microbiology</i> , 2016, 7, 592.	1.5	156
281	New Perspectives on the Use of Phytochemicals as an Emergent Strategy to Control Bacterial Infections Including Biofilms. <i>Molecules</i> , 2016, 21, 877.	1.7	172
282	Structural Analysis of Sortase A Inhibitors. <i>Molecules</i> , 2016, 21, 1591.	1.7	20
283	The agr Inhibitors Solonamide B and Analogues Alter Immune Responses to <i>Staphylococcus aureus</i> but Do Not Exhibit Adverse Effects on Immune Cell Functions. <i>PLoS ONE</i> , 2016, 11, e0145618.	1.1	31
284	Norlichexanthone Reduces Virulence Gene Expression and Biofilm Formation in <i>Staphylococcus aureus</i> . <i>PLoS ONE</i> , 2016, 11, e0168305.	1.1	53
285	Crystal Structure of the <i>Streptomyces coelicolor</i> Sortase E1 Transpeptidase Provides Insight into the Binding Mode of the Novel Class E Sorting Signal. <i>PLoS ONE</i> , 2016, 11, e0167763.	1.1	20
286	A Precise Temperature-Responsive Bistable Switch Controlling <i>Yersinia</i> Virulence. <i>PLoS Pathogens</i> , 2016, 12, e1006091.	2.1	24
287	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
288	Exploitation of Glycobiology in Anti-Adhesion Approaches against Biothreat Agents. <i>Journal of Bioterrorism & Biodefense</i> , 2016, 7, .	0.1	3
289	Iminoguanidines as Allosteric Inhibitors of the Iron-Regulated Heme Oxygenase (HemO) of <i>Pseudomonas aeruginosa</i> . <i>Journal of Medicinal Chemistry</i> , 2016, 59, 6929-6942.	2.9	33
290	Antivirulence Isoquinolone Mannosides: Optimization of the Biaryl Aglycone for FimH Lectin Binding Affinity and Efficacy in the Treatment of Chronic UTI. <i>ChemMedChem</i> , 2016, 11, 367-373.	1.6	53
291	Combatting bacterial persister cells. <i>Biotechnology and Bioengineering</i> , 2016, 113, 476-483.	1.7	100
292	Nanoporous aerogel as a bacteria repelling hygienic material for healthcare environment. <i>Nanotechnology</i> , 2016, 27, 085705.	1.3	18
293	Antisense antimicrobial therapeutics. <i>Current Opinion in Microbiology</i> , 2016, 33, 47-55.	2.3	100
294	DNA crosslinker cisplatin eradicates bacterial persister cells. <i>Biotechnology and Bioengineering</i> , 2016, 113, 1984-1992.	1.7	95
295	Persistence Increases in the Absence of the Alarmone Guanosine Tetraphosphate by Reducing Cell Growth. <i>Scientific Reports</i> , 2016, 6, 20519.	1.6	105
296	Ribavirin suppresses bacterial virulence by targeting LysR-type transcriptional regulators. <i>Scientific Reports</i> , 2016, 6, 39454.	1.6	23

#	ARTICLE	IF	CITATIONS
297	Innovative Solutions to Sticky Situations: Antiadhesive Strategies for Treating Bacterial Infections. <i>Microbiology Spectrum</i> , 2016, 4, .	1.2	4
298	The biofilm inhibitor Carolacton inhibits planktonic growth of virulent pneumococci via a conserved target. <i>Scientific Reports</i> , 2016, 6, 29677.	1.6	17
299	Design and characterization of a polyamine derivative inhibiting the expression of type III secretion system in <i>Pseudomonas aeruginosa</i> . <i>Scientific Reports</i> , 2016, 6, 30949.	1.6	11
300	Beyond killing. <i>Evolution, Medicine and Public Health</i> , 2016, 2016, 148-157.	1.1	87
301	Hybrid Quadrupole-Orbitrap mass spectrometry for quantitative measurement of quorum sensing inhibition. <i>Journal of Microbiological Methods</i> , 2016, 127, 89-94.	0.7	17
302	The Crystal Structure of <i>Burkholderia cenocepacia</i> DfsA Provides Insights into Substrate Recognition and Quorum Sensing Fatty Acid Biosynthesis. <i>Biochemistry</i> , 2016, 55, 3241-3250.	1.2	8
303	Novel genetic tools to tackle c-di-GMP-dependent signalling in <i>Pseudomonas aeruginosa</i> . <i>Journal of Applied Microbiology</i> , 2016, 120, 205-217.	1.4	15
304	The effects of antibiotics on the microbiome throughout development and alternative approaches for therapeutic modulation. <i>Genome Medicine</i> , 2016, 8, 39.	3.6	676
305	Attenuating <i>Listeria monocytogenes</i> Virulence by Targeting the Regulatory Protein PrfA. <i>Cell Chemical Biology</i> , 2016, 23, 404-414.	2.5	35
306	In vivo efficacy of trans-cinnamaldehyde, carvacrol, and thymol in attenuating <i>Listeria monocytogenes</i> infection in a <i>Galleria mellonella</i> model. <i>Journal of Natural Medicines</i> , 2016, 70, 667-672.	1.1	19
307	Surface modification of food processing and handling gloves for enhanced food safety and hygiene. <i>Journal of Food Engineering</i> , 2016, 187, 82-91.	2.7	21
308	Dendrimer mediated clustering of bacteria: improved aggregation and evaluation of bacterial response and viability. <i>Biomaterials Science</i> , 2016, 4, 998-1006.	2.6	17
309	Bacterial Proteases as Targets to Control Bacterial Growth. , 2016, , 133-159.		0
310	<i>Clostridium difficile</i> infection. <i>Nature Reviews Disease Primers</i> , 2016, 2, 16020.	18.1	588
311	Influence of chelation strength and bacterial uptake of gallium salicylidene acylhydrazide on biofilm formation and virulence of <i>Pseudomonas aeruginosa</i> . <i>Journal of Inorganic Biochemistry</i> , 2016, 160, 24-32.	1.5	9
312	Copper(II) complexes with aromatic nitrogen-containing heterocycles as effective inhibitors of quorum sensing activity in <i>Pseudomonas aeruginosa</i> . <i>RSC Advances</i> , 2016, 6, 86695-86709.	1.7	26
313	New Structural Templates for Clinically Validated and Novel Targets in Antimicrobial Drug Research and Development. <i>Current Topics in Microbiology and Immunology</i> , 2016, 398, 365-417.	0.7	10
314	Design, synthesis, and biological evaluation of α -hydroxyacyl-AMS inhibitors of amino acid adenylation enzymes. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2016, 26, 5340-5345.	1.0	8

#	ARTICLE	IF	CITATIONS
315	Pre-adapting parasitic phages to a pathogen leads to increased pathogen clearance and lowered resistance evolution with <i>Pseudomonas aeruginosa</i> cystic fibrosis bacterial isolates. <i>Journal of Evolutionary Biology</i> , 2016, 29, 188-198.	0.8	83
317	Total Synthesis of (±)-Isoperbergins and Correction of the Chemical Structure of Perbergin. <i>Journal of Natural Products</i> , 2016, 79, 2391-2396.	1.5	7
318	Accelerating the discovery of antibacterial compounds using pathway-directed whole cell screening. <i>Bioorganic and Medicinal Chemistry</i> , 2016, 24, 6307-6314.	1.4	25
319	Indolo[3,2- <i>b</i>]quinoline Derivatives Suppressed the Hemolytic Activity of Beta-Pore Forming Toxins, Aerolysin-Like Hemolysin Produced by <i>Aeromonas sobria</i> and Alpha-Hemolysin Produced by <i>Staphylococcus aureus</i> . <i>Biological and Pharmaceutical Bulletin</i> , 2016, 39, 114-120.	0.6	10
320	Curcumin protects mice from <i>Staphylococcus aureus</i> pneumonia by interfering with the self-assembly process of α -hemolysin. <i>Scientific Reports</i> , 2016, 6, 28254.	1.6	54
321	New antibiotics from Nature's chemical inventory. <i>Bioorganic and Medicinal Chemistry</i> , 2016, 24, 6227-6252.	1.4	62
322	Engineering Soluble Human Paraoxonase 2 for Quorum Quenching. <i>ACS Chemical Biology</i> , 2016, 11, 3122-3131.	1.6	17
323	Activity of pyrrolizidine alkaloids against biofilm formation and <i>Trichomonas vaginalis</i> . <i>Biomedicine and Pharmacotherapy</i> , 2016, 83, 323-329.	2.5	15
324	Nanoparticle-Based Antivirulence Vaccine for the Management of Methicillin-Resistant <i>Staphylococcus aureus</i> Skin Infection. <i>Advanced Functional Materials</i> , 2016, 26, 1628-1635.	7.8	91
325	From Peptide Aptamers to Inhibitors of FUR, Bacterial Transcriptional Regulator of Iron Homeostasis and Virulence. <i>ACS Chemical Biology</i> , 2016, 11, 2519-2528.	1.6	13
326	Antivirulence <i>C</i> -Mannosides as Antibiotic-Sparing, Oral Therapeutics for Urinary Tract Infections. <i>Journal of Medicinal Chemistry</i> , 2016, 59, 9390-9408.	2.9	84
327	A biochemical engineering view of the quest for immune-potentiating anti-infectives. <i>Current Opinion in Chemical Engineering</i> , 2016, 14, 82-92.	3.8	21
328	Discovery of new diketopiperazines inhibiting <i>Burkholderia cenocepacia</i> quorum sensing in vitro and in vivo. <i>Scientific Reports</i> , 2016, 6, 32487.	1.6	46
329	Auxotrophy-based High Throughput Screening assay for the identification of <i>Bacillus subtilis</i> stringent response inhibitors. <i>Scientific Reports</i> , 2016, 6, 35824.	1.6	17
330	Bacterial evolution: Making a host-adapted bacterium. <i>Nature Microbiology</i> , 2016, 1, 16010.	5.9	1
331	In Silico Evaluation of the Impacts of Quorum Sensing Inhibition (QSI) on Strain Competition and Development of QSI Resistance. <i>Scientific Reports</i> , 2016, 6, 35136.	1.6	11
332	Anti-virulent Disruption of Pathogenic Biofilms using Engineered Quorum-quenching Lactonases. <i>Journal of Visualized Experiments</i> , 2016, . .	0.2	4
333	Imperatorin inhibits the expression of alpha-hemolysin in <i>Staphylococcus aureus</i> strain BAA-1717 (USA300). <i>Antonie Van Leeuwenhoek</i> , 2016, 109, 915-922.	0.7	9

#	ARTICLE	IF	CITATIONS
334	Selenium reduces enterohemorrhagic <i>Escherichia coli</i> O157:H7 verotoxin production and globotriaosylceramide receptor expression on host cells. <i>Future Microbiology</i> , 2016, 11, 745-756.	1.0	10
335	The analysis of the antibiotic resistome offers new opportunities for therapeutic intervention. <i>Future Medicinal Chemistry</i> , 2016, 8, 1133-1151.	1.1	17
336	Slippery Liquid-Infused Porous Surfaces that Prevent Bacterial Surface Fouling and Inhibit Virulence Phenotypes in Surrounding Planktonic Cells. <i>ACS Infectious Diseases</i> , 2016, 2, 509-517.	1.8	83
337	<i>Listeria monocytogenes</i> wall teichoic acid decoration in virulence and cell-to-cell spread. <i>Molecular Microbiology</i> , 2016, 101, 714-730.	1.2	26
338	Targeting the Type Three Secretion System in <i>Pseudomonas aeruginosa</i> . <i>Trends in Pharmacological Sciences</i> , 2016, 37, 734-749.	4.0	97
339	An Aromatic Hydroxyamide Attenuates Multiresistant <i>Staphylococcus aureus</i> Toxin Expression. <i>Chemistry - A European Journal</i> , 2016, 22, 1622-1630.	1.7	6
340	Can resistance against quorum-sensing interference be selected?. <i>ISME Journal</i> , 2016, 10, 4-10.	4.4	80
341	Novel Strategies for the Treatment of <i>Pseudomonas aeruginosa</i> Infections. <i>Journal of Medicinal Chemistry</i> , 2016, 59, 5929-5969.	2.9	215
342	Interkingdom Chemical Signaling in Enterohemorrhagic <i>Escherichia coli</i> O157:H7. <i>Advances in Experimental Medicine and Biology</i> , 2016, 874, 201-213.	0.8	6
343	Improved in vitro evaluation of novel antimicrobials: potential synergy between human plasma and antibacterial peptidomimetics, AMPs and antibiotics against human pathogenic bacteria. <i>Research in Microbiology</i> , 2016, 167, 72-82.	1.0	24
344	Synthesis of brominated novel N-heterocycles: new scaffolds for antimicrobial discovery. <i>Tetrahedron</i> , 2016, 72, 539-546.	1.0	14
345	The cystic fibrosis microbiome in an ecological perspective and its impact in antibiotic therapy. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 1163-1181.	1.7	30
346	Discovery of Potent Benzofuran-Derived Diapophytoene Desaturase (CrtN) Inhibitors with Enhanced Oral Bioavailability for the Treatment of Methicillin-Resistant <i>Staphylococcus aureus</i> (MRSA) Infections. <i>Journal of Medicinal Chemistry</i> , 2016, 59, 3215-3230.	2.9	40
347	Toxin MqsR cleaves single-stranded <i>scp</i> mRNA with various 5' ends. <i>MicrobiologyOpen</i> , 2016, 5, 370-377.	1.2	9
348	Important Complexities of the Antivirulence Target Paradigm: A Novel Ostensibly Resistance-Avoiding Approach for Treating Infections: Table 1.. <i>Journal of Infectious Diseases</i> , 2016, 213, 901-903.	1.9	11
349	Specific Antivirulence Activity, A New Concept for Reliable Screening of Virulence Inhibitors. <i>Trends in Biotechnology</i> , 2016, 34, 527-529.	4.9	13
350	Use of the <i>Salmonella</i> MgtR peptide as an antagonist of the <i>Mycobacterium</i> MgtC virulence factor. <i>Future Microbiology</i> , 2016, 11, 215-225.	1.0	13
351	Sensor histidine kinase is a β -lactam receptor and induces resistance to β -lactam antibiotics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 1648-1653.	3.3	64

#	ARTICLE	IF	CITATIONS
352	Therapies in early development for the treatment of urinary tract inflammation. Expert Opinion on Investigational Drugs, 2016, 25, 531-540.	1.9	15
353	Quorum sensing protects bacterial co-operation from exploitation by cheats. ISME Journal, 2016, 10, 1706-1716.	4.4	67
354	Verbascoside Alleviates Pneumococcal Pneumonia by Reducing Pneumolysin Oligomers. Molecular Pharmacology, 2016, 89, 376-387.	1.0	49
355	Quorum quenching: role in nature and applied developments. FEMS Microbiology Reviews, 2016, 40, 86-116.	3.9	493
356	Targeted treatment for bacterial infections: prospects for pathogen-specific antibiotics coupled with rapid diagnostics. Tetrahedron, 2016, 72, 3609-3624.	1.0	76
357	Combination Therapy of LysGH15 and Apigenin as a New Strategy for Treating Pneumonia Caused by Staphylococcus aureus. Applied and Environmental Microbiology, 2016, 82, 87-94.	1.4	51
358	Pseudomonas aeruginosa Lon and ClpXP proteases: roles in linking carbon catabolite repression system with quorum-sensing system. Current Genetics, 2016, 62, 1-6.	0.8	31
359	Effects of toluidine blue O (TBO)-photodynamic inactivation on community-associated methicillin-resistant Staphylococcus aureus isolates. Journal of Microbiology, Immunology and Infection, 2017, 50, 46-54.	1.5	23
360	Identification of phenolic compounds that suppress the virulence of <i>Xanthomonas oryzae</i> on rice via the type III secretion system. Molecular Plant Pathology, 2017, 18, 555-568.	2.0	67
361	A review on nanoparticle-based technologies for biodegradation. Drug and Chemical Toxicology, 2017, 40, 489-497.	1.2	13
362	Structure-based optimization of <i>Staphylococcus aureus</i> sortase A pyridazinone inhibitors. Chemical Biology and Drug Design, 2017, 90, 327-344.	1.5	20
363	Manipulating virulence factor availability can have complex consequences for infections. Evolutionary Applications, 2017, 10, 91-101.	1.5	29
364	Nonwoven Polymer Nanofiber Coatings That Inhibit Quorum Sensing in <i>Staphylococcus aureus</i> : Toward New Nonbactericidal Approaches to Infection Control. ACS Infectious Diseases, 2017, 3, 271-280.	1.8	27
365	Identifying components required for OMP biogenesis as novel targets for anti-infective drugs. Virulence, 2017, 8, 1170-1188.	1.8	26
366	Structure-Activity Relationships of the Competence Stimulating Peptides (CSPs) in <i>Streptococcus pneumoniae</i> Reveal Motifs Critical for Intra-group and Cross-group ComD Receptor Activation. ACS Chemical Biology, 2017, 12, 1141-1151.	1.6	46
367	Chemical Strategies To Target Bacterial Virulence. Chemical Reviews, 2017, 117, 4422-4461.	23.0	100
368	Small Molecules That Sabotage Bacterial Virulence. Trends in Pharmacological Sciences, 2017, 38, 339-362.	4.0	111
369	Reconstruction of the metabolic network of <i>Pseudomonas aeruginosa</i> to interrogate virulence factor synthesis. Nature Communications, 2017, 8, 14631.	5.8	116

#	ARTICLE	IF	CITATIONS
370	Organic nanostructure-based probes for two-photon imaging of mitochondria and microbes with emission between 430 nm and 640 nm. <i>Nanoscale</i> , 2017, 9, 4770-4776.	2.8	34
371	Interfering with outer membrane biogenesis to fight Gram-negative bacterial pathogens. <i>Virulence</i> , 2017, 8, 1049-1052.	1.8	3
372	Host-inherent variability influences the transcriptional response of <i>Staphylococcus aureus</i> during in vivo infection. <i>Nature Communications</i> , 2017, 8, 14268.	5.8	58
373	Evolutionary fine-tuning of conformational ensembles in FimH during host-pathogen interactions. <i>Science Advances</i> , 2017, 3, e1601944.	4.7	50
374	Bioactive Natural Products: An Overview, with Particular Emphasis on Those Possessing Potential to Inhibit Microbial Quorum Sensing. , 2017, , 185-202.		3
375	Antibacterial activity of N -methylbenzofuro[3,2- b]quinoline and N -methylbenzoindolo[3,2- b]-quinoline derivatives and study of their mode of action. <i>European Journal of Medicinal Chemistry</i> , 2017, 135, 1-11.	2.6	64
376	Salicylidene Acylhydrazides and Hydroxyquinolines Act as Inhibitors of Type Three Secretion Systems in <i>Pseudomonas aeruginosa</i> by Distinct Mechanisms. <i>Antimicrobial Agents and Chemotherapy</i> , 2017, 61, .	1.4	33
377	Sepsis and septic shock: Pathogenesis and treatment perspectives. <i>Journal of Critical Care</i> , 2017, 40, 229-242.	1.0	105
378	Inhibition of <i>Cronobacter sakazakii</i> Virulence Factors by Citral. <i>Scientific Reports</i> , 2017, 7, 43243.	1.6	57
379	Sideromycins as Pathogen-Targeted Antibiotics. <i>Topics in Medicinal Chemistry</i> , 2017, , 151-183.	0.4	44
380	A Tick Antivirulence Protein Potentiates Antibiotics against <i>Staphylococcus aureus</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2017, 61, .	1.4	12
381	The combination of osthole with baicalin protects mice from <i>Staphylococcus aureus</i> pneumonia. <i>World Journal of Microbiology and Biotechnology</i> , 2017, 33, 11.	1.7	20
382	Mechanism of transmembrane signaling by sensor histidine kinases. <i>Science</i> , 2017, 356, .	6.0	132
383	Pilus biogenesis of Gram-€positive bacteria: Roles of sortases and implications for assembly. <i>Protein Science</i> , 2017, 26, 1458-1473.	3.1	45
384	Rational design strategies for FimH antagonists: new drugs on the horizon for urinary tract infection and Crohn-€™s disease. <i>Expert Opinion on Drug Discovery</i> , 2017, 12, 711-731.	2.5	71
385	<i>Pseudomonas</i> Quinolone Signal Induces Oxidative Stress and Inhibits Heme Oxygenase-1 Expression in Lung Epithelial Cells. <i>Infection and Immunity</i> , 2017, 85, .	1.0	31
386	Repurposing of nucleoside- and nucleobase-derivative drugs as antibiotics and biofilm inhibitors. <i>Journal of Antimicrobial Chemotherapy</i> , 2017, 72, 2156-2170.	1.3	61
387	The Challenge of Overcoming Antibiotic Resistance: An Adjuvant Approach?. <i>ACS Infectious Diseases</i> , 2017, 3, 559-563.	1.8	166

#	ARTICLE	IF	CITATIONS
388	Novel compounds targeting the enterohemorrhagic <i>Escherichia coli</i> type three secretion system reveal insights into mechanisms of secretion inhibition. <i>Molecular Microbiology</i> , 2017, 105, 606-619.	1.2	20
389	Probiotic engineering: towards development of robust probiotic strains with enhanced functional properties and for targeted control of enteric pathogens. <i>Gut Pathogens</i> , 2017, 9, 28.	1.6	113
390	Computational Studies of the Active and Inactive Regulatory Domains of Response Regulator PhoP Using Molecular Dynamics Simulations. <i>Molecular Informatics</i> , 2017, 36, 1700031.	1.4	4
391	Signal Biosynthesis Inhibition with Ambuic Acid as a Strategy To Target Antibiotic-Resistant Infections. <i>Antimicrobial Agents and Chemotherapy</i> , 2017, 61, .	1.4	52
392	In Silico Approaches Toward Combating Antibiotic Resistance. , 2017, , 577-593.		2
393	New erythrocyte-related delivery systems for biomedical applications. <i>Journal of Drug Delivery Science and Technology</i> , 2017, 42, 38-48.	1.4	12
394	An integrated network analysis reveals that nitric oxide reductase prevents metabolic cycling of nitric oxide by <i>Pseudomonas aeruginosa</i> . <i>Metabolic Engineering</i> , 2017, 41, 67-81.	3.6	15
395	Epigallocatechin-3-gallate inhibits bacterial virulence and invasion of host cells. <i>Bioorganic and Medicinal Chemistry</i> , 2017, 25, 2883-2887.	1.4	19
396	Inhibitors of <i>Mycobacterium tuberculosis</i> DosRST signaling and persistence. <i>Nature Chemical Biology</i> , 2017, 13, 218-225.	3.9	150
397	QseC inhibition as an antivirulence approach for colitis-associated bacteria. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 142-147.	3.3	47
398	Antibiofilm activities of norharmane and its derivatives against <i>Escherichia coli</i> O157:H7 and other bacteria. <i>Phytomedicine</i> , 2017, 36, 254-261.	2.3	13
399	Targeting the alternative sigma factor RpoN to combat virulence in <i>Pseudomonas aeruginosa</i> . <i>Scientific Reports</i> , 2017, 7, 12615.	1.6	34
400	Structure-Activity Relationship Study Based on Autoinducing Peptide (AIP) from Dog Pathogen <i>S. schleiferi</i> . <i>Organic Letters</i> , 2017, 19, 5276-5279.	2.4	22
401	Rational designing of an antidote nanoparticle decorated with abiotic polymer ligands for capturing and neutralizing target toxins. <i>Journal of Controlled Release</i> , 2017, 268, 335-342.	4.8	15
402	Small molecules cause virulence attenuation of <i>Xanthomonas oryzae</i> pv. <i>oryzae</i> , the pathogen causing bacterial blight of rice. <i>European Journal of Plant Pathology</i> , 2018, 151, 229.	0.8	5
403	Advances in the local and targeted delivery of anti-infective agents for management of osteomyelitis. <i>Expert Review of Anti-Infective Therapy</i> , 2017, 15, 851-860.	2.0	36
404	Phytotherapy as an alternative to conventional antimicrobials: combating microbial resistance. <i>Expert Review of Clinical Pharmacology</i> , 2017, 10, 1203-1214.	1.3	42
405	Function and structure-based screening of compounds, peptides and proteins to identify drug candidates. <i>Methods</i> , 2017, 131, 10-21.	1.9	10

#	ARTICLE	IF	CITATIONS
406	Verringerung der Virulenz von multiresistentem <i>Staphylococcus aureus</i> mithilfe eines chemischen Disruptors des ClpX-Chaperon-Komplexes. <i>Angewandte Chemie</i> , 2017, 129, 15952-15957.	1.6	2
407	Fabrication and characterization of a 3D bioprinted nanoparticle-hydrogel hybrid device for biomimetic detoxification. <i>Nanoscale</i> , 2017, 9, 14506-14511.	2.8	21
408	Effect of efflux pump inhibition on <i>Pseudomonas aeruginosa</i> transcriptome and virulence. <i>Scientific Reports</i> , 2017, 7, 11392.	1.6	76
409	A Chemical Disruptor of the ClpX Chaperone Complex Attenuates the Virulence of Multidrug-Resistant <i>Staphylococcus aureus</i> . <i>Angewandte Chemie - International Edition</i> , 2017, 56, 15746-15750.	7.2	34
410	Rational Design of Selective Adenine-Based Scaffolds for Inactivation of Bacterial Histidine Kinases. <i>Journal of Medicinal Chemistry</i> , 2017, 60, 8170-8182.	2.9	17
411	New class of precision antimicrobials redefines role of <i>Clostridium difficile</i> S-layer in virulence and viability. <i>Science Translational Medicine</i> , 2017, 9, .	5.8	64
413	Discovery of a Potent Inhibitor Class with High Selectivity toward Clostridial Collagenases. <i>Journal of the American Chemical Society</i> , 2017, 139, 12696-12703.	6.6	29
414	Low density polyethylene functionalized with antibiofilm compounds inhibits <i>Escherichia coli</i> cell adhesion. <i>Journal of Biomedical Materials Research - Part A</i> , 2017, 105, 3251-3261.	2.1	6
415	Combating virulence of Gram-negative bacilli by OmpA inhibition. <i>Scientific Reports</i> , 2017, 7, 14683.	1.6	59
416	In Situ Capture of Bacterial Toxins for Antivirulence Vaccination. <i>Advanced Materials</i> , 2017, 29, 1701644.	11.1	94
417	Lysionotin attenuates <i>Staphylococcus aureus</i> pathogenicity by inhibiting β -toxin expression. <i>Applied Microbiology and Biotechnology</i> , 2017, 101, 6697-6703.	1.7	31
418	A mucosal imprint left by prior <i>Escherichia coli</i> bladder infection sensitizes to recurrent disease. <i>Nature Microbiology</i> , 2017, 2, 16196.	5.9	67
419	Probiotic and enterohemorrhagic <i>Escherichia coli</i> : An effective strategy against a deadly enemy?. <i>Critical Reviews in Microbiology</i> , 2017, 43, 116-132.	2.7	11
420	The development of small-molecule modulators for ClpP protease activity. <i>Molecular BioSystems</i> , 2017, 13, 23-31.	2.9	49
421	Multimerization of the Virulence-Enhancing Group A Streptococcus Transcription Factor RivR Is Required for Regulatory Activity. <i>Journal of Bacteriology</i> , 2017, 199, .	1.0	6
422	<i>Crataeva nurvala</i> nanoparticles inhibit virulence factors and biofilm formation in clinical isolates of <i>Pseudomonas aeruginosa</i> . <i>Journal of Basic Microbiology</i> , 2017, 57, 193-203.	1.8	38
423	Development of a novel series of non-natural triaryl agonists and antagonists of the <i>Pseudomonas aeruginosa</i> LasR quorum sensing receptor. <i>Bioorganic and Medicinal Chemistry</i> , 2017, 25, 153-165.	1.4	25
424	Activity-Based Protein Profiling in Bacteria. <i>Methods in Molecular Biology</i> , 2017, 1491, 57-74.	0.4	8

#	ARTICLE	IF	CITATIONS
425	Evolution of phage display technology: from discovery to application. <i>Journal of Drug Targeting</i> , 2017, 25, 216-224.	2.1	50
426	Inhibition of listeriolysin O oligomerization by lutein prevents <i>Listeria monocytogenes</i> infection. <i>FÄ-toterapÄ-Äç</i> , 2017, 116, 45-50.	1.1	11
427	Quorum Sensing Inhibitors from the Sea Discovered Using Bacterial N-acyl-homoserine Lactone-Based Biosensors. <i>Marine Drugs</i> , 2017, 15, 53.	2.2	68
428	Microbial Biofilms and Chronic Wounds. <i>Microorganisms</i> , 2017, 5, 9.	1.6	235
429	Repurposing metformin as a quorum sensing inhibitor in <i>Pseudomonas aeruginosa</i> . <i>African Health Sciences</i> , 2017, 17, 808.	0.3	46
430	Targeting the Type II Secretion System: Development, Optimization, and Validation of a High-Throughput Screen for the Identification of Small Molecule Inhibitors. <i>Frontiers in Cellular and Infection Microbiology</i> , 2017, 7, 380.	1.8	34
431	Evolution of Salmonella-Host Cell Interactions through a Dynamic Bacterial Genome. <i>Frontiers in Cellular and Infection Microbiology</i> , 2017, 7, 428.	1.8	85
432	<i>E. coli</i> Group 1 Capsular Polysaccharide Exportation Nanomachinery as a Plausible Antivirulence Target in the Perspective of Emerging Antimicrobial Resistance. <i>Frontiers in Microbiology</i> , 2017, 8, 70.	1.5	27
433	Morin Attenuates <i>Streptococcus suis</i> Pathogenicity in Mice by Neutralizing Suliyisin Activity. <i>Frontiers in Microbiology</i> , 2017, 8, 460.	1.5	19
434	Effect of Dietary Minerals on Virulence Attributes of <i>Vibrio cholerae</i> . <i>Frontiers in Microbiology</i> , 2017, 8, 911.	1.5	7
435	Autoinducer-2 Quorum Sensing Influences Viability of <i>Escherichia coli</i> O157:H7 under Osmotic and In Vitro Gastrointestinal Stress Conditions. <i>Frontiers in Microbiology</i> , 2017, 8, 1077.	1.5	35
436	Exposure to Umbelliferone Reduces <i>Ralstonia solanacearum</i> Biofilm Formation, Transcription of Type III Secretion System Regulators and Effectors and Virulence on Tobacco. <i>Frontiers in Microbiology</i> , 2017, 8, 1234.	1.5	39
437	Combination Strategies to Enhance the Efficacy of Antimicrobial Peptides against Bacterial Biofilms. <i>Frontiers in Microbiology</i> , 2017, 8, 2409.	1.5	140
438	Functional Diversity of AAA+ Protease Complexes in <i>Bacillus subtilis</i> . <i>Frontiers in Molecular Biosciences</i> , 2017, 4, 44.	1.6	42
439	Microbial biofilm prevention on wound dressing by nanobiocoating using magnetosomesâ€coupled lemon grass extract. <i>IET Nanobiotechnology</i> , 2017, 11, 738-745.	1.9	2
440	<i>Staphylococcus aureus</i> : Overview of Bacteriology, Clinical Diseases, Epidemiology, Antibiotic Resistance and Therapeutic Approach. , 0, , .		31
441	Anticytotoxin Effects of Amentoflavone to Pneumolysin. <i>Biological and Pharmaceutical Bulletin</i> , 2017, 40, 61-67.	0.6	15
442	Immune Human Antibody Libraries for Infectious Diseases. <i>Advances in Experimental Medicine and Biology</i> , 2017, 1053, 61-78.	0.8	4

#	ARTICLE	IF	CITATIONS
443	A Novel Yeast Surface Display Method for Large-Scale Screen Inhibitors of Sortase A. <i>Bioengineering</i> , 2017, 4, 6.	1.6	5
444	Drug repurposing for antivirulence therapy against opportunistic bacterial pathogens. <i>Emerging Topics in Life Sciences</i> , 2017, 1, 13-22.	1.1	24
445	Preliminary comparative genomics revealed pathogenic potential and international spread of <i>Staphylococcus argenteus</i> . <i>BMC Genomics</i> , 2017, 18, 808.	1.2	44
446	Structure-based discovery of glycomimetic FmlH ligands as inhibitors of bacterial adhesion during urinary tract infection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E2819-E2828.	3.3	63
447	Binding Mode Characterization and Early <i>In Vivo</i> Evaluation of Fragment-Like Thiols as Inhibitors of the Virulence Factor LasB from <i>Pseudomonas aeruginosa</i> . <i>ACS Infectious Diseases</i> , 2018, 4, 988-997.	1.8	27
448	Inhibiting PSM-induced neutrophil necroptosis protects mice with MRSA pneumonia by blocking the agr system. <i>Cell Death and Disease</i> , 2018, 9, 362.	2.7	35
449	Structure-Based Design of Inhibitors Targeting PrfA, the Master Virulence Regulator of <i>Listeria monocytogenes</i> . <i>Journal of Medicinal Chemistry</i> , 2018, 61, 4165-4175.	2.9	22
450	Design and Synthesis of Imidazo[1,2-a]pyridines with Carboxamide Group Substitution and <i>In silico</i> Evaluation of their Interaction with a LuxR-type Quorum Sensing Receptor. <i>Journal of Heterocyclic Chemistry</i> , 2018, 55, 1101-1111.	1.4	4
451	Eriodictyol protects against <i>Staphylococcus aureus</i> -induced lung cell injury by inhibiting alpha-hemolysin expression. <i>World Journal of Microbiology and Biotechnology</i> , 2018, 34, 64.	1.7	17
452	Signaling by a Conserved Quorum Sensing Pathway Contributes to Growth <i>Ex Vivo</i> and Oropharyngeal Colonization of Human Pathogen Group A Streptococcus. <i>Infection and Immunity</i> , 2018, 86, .	1.0	13
453	Broad-Spectrum Neutralization of Pore-Forming Toxins with Human Erythrocyte Membrane-Coated Nanosponges. <i>Advanced Healthcare Materials</i> , 2018, 7, e1701366.	3.9	87
454	Overcoming mcr-1 mediated colistin resistance with colistin in combination with other antibiotics. <i>Nature Communications</i> , 2018, 9, 458.	5.8	203
455	Discovery of Potent Benzocycloalkane Derived Diapophytoene Desaturase Inhibitors with an Enhanced Safety Profile for the Treatment of MRSA, VISA, and LRSA Infections. <i>ACS Infectious Diseases</i> , 2018, 4, 208-217.	1.8	4
456	Epigallocatechin gallate can attenuate human alveolar epithelial cell injury induced by alpha-haemolysin. <i>Microbial Pathogenesis</i> , 2018, 115, 222-226.	1.3	9
457	Transmembrane Signal Transduction in Two-Component Systems: Piston, Scissoring, or Helical Rotation?. <i>BioEssays</i> , 2018, 40, 1700197.	1.2	43
458	Synchronous application of antibiotics and essential oils: dual mechanisms of action as a potential solution to antibiotic resistance. <i>Critical Reviews in Microbiology</i> , 2018, 44, 414-435.	2.7	45
459	Evaluation of CpxRA as a Therapeutic Target for Uropathogenic <i>Escherichia coli</i> Infections. <i>Infection and Immunity</i> , 2018, 86, .	1.0	27
460	Screening for inhibitors of mutacin synthesis in <i>Streptococcus mutans</i> using fluorescent reporter strains. <i>BMC Microbiology</i> , 2018, 18, 24.	1.3	7

#	ARTICLE	IF	CITATIONS
461	Lactam hybrid analogues of solonomamide B and autoinducing peptides as potent <i>S.Âaureus</i> AgrC antagonists. <i>European Journal of Medicinal Chemistry</i> , 2018, 152, 370-376.	2.6	21
462	Symposium review: Microbial endocrinologyâ€™Why the integration of microbes, epithelial cells, and neurochemical signals in the digestive tract matters to ruminant health. <i>Journal of Dairy Science</i> , 2018, 101, 5619-5628.	1.4	24
463	Network analytics approach towards identifying potential antivirulence drug targets within the <i>Staphylococcus aureus</i> staphyloxanthin biosynthetic network. <i>Archives of Biochemistry and Biophysics</i> , 2018, 645, 81-86.	1.4	9
464	Whole-organism phenotypic screening for anti-infectives promoting host health. <i>Nature Chemical Biology</i> , 2018, 14, 331-341.	3.9	14
465	Nanoparticle-based local antimicrobial drug delivery. <i>Advanced Drug Delivery Reviews</i> , 2018, 127, 46-57.	6.6	248
466	Effects of Caatinga Plant Extracts in Planktonic Growth and Biofilm Formation in <i>Ralstonia solanacearum</i> . <i>Microbial Ecology</i> , 2018, 75, 555-561.	1.4	27
467	Anti-Virulence Factor Therapeutics. , 2018, , 439-461.		0
468	Structureâ€™activity relationships for inhibitors of <i>Pseudomonas aeruginosa</i> exoenzyme S ADP-ribosyltransferase activity. <i>European Journal of Medicinal Chemistry</i> , 2018, 143, 568-576.	2.6	14
469	Rational design of small molecules that modulate the transcriptional function of the response regulator PhoP. <i>Biochemical and Biophysical Research Communications</i> , 2018, 495, 375-381.	1.0	5
470	Quorum-Sensing Systems as Targets for Antivirulence Therapy. <i>Trends in Microbiology</i> , 2018, 26, 313-328.	3.5	351
471	A Coculture-Based Approach for Screening Campaigns Aimed at Identifying Novel <i>Pseudomonas aeruginosa</i> Quorum Sensing Inhibitors. <i>Methods in Molecular Biology</i> , 2018, 1673, 287-296.	0.4	3
472	The chemotaxis regulator pilG of <i>Xylella fastidiosa</i> is required for virulence in <i>Vitis vinifera</i> grapevines. <i>European Journal of Plant Pathology</i> , 2018, 150, 351-362.	0.8	4
473	Genome-wide prediction of bacterial effector candidates across six secretion system types using a feature-based statistical framework. <i>Scientific Reports</i> , 2018, 8, 17209.	1.6	13
474	Novel human monoclonal antibodies targeting the F subunit of leukocidins reduce disease progression and mortality caused by <i>Staphylococcus aureus</i> . <i>BMC Microbiology</i> , 2018, 18, 181.	1.3	3
475	Synthesis of pyrrolidine-based hamamelitannin analogues as quorum sensing inhibitors in <i>Staphylococcus aureus</i> . <i>Beilstein Journal of Organic Chemistry</i> , 2018, 14, 2822-2828.	1.3	8
476	Baicalin Weakens <i>Staphylococcus aureus</i> Pathogenicity by Targeting Sortase B. <i>Frontiers in Cellular and Infection Microbiology</i> , 2018, 8, 418.	1.8	19
477	Complement Susceptibility in Relation to Genome Sequence of Recent <i>Klebsiella pneumoniae</i> Isolates from Thai Hospitals. <i>MSphere</i> , 2018, 3, .	1.3	25
478	Pharmacological Targeting of Pore-Forming Toxins as Adjunctive Therapy for Invasive Bacterial Infection. <i>Toxins</i> , 2018, 10, 542.	1.5	33

#	ARTICLE	IF	CITATIONS
479	Probing the evolutionary robustness of two repurposed drugs targeting iron uptake in <i>Pseudomonas aeruginosa</i> . <i>Evolution, Medicine and Public Health</i> , 2018, 2018, 246-259.	1.1	28
480	Design, synthesis and structure-based optimization of novel isoxazole-containing benzamide derivatives as FtsZ modulators. <i>European Journal of Medicinal Chemistry</i> , 2018, 159, 90-103.	2.6	25
481	Chemical composition of <i>Pistacia vera</i> L. oleoresin and its antibacterial, anti-virulence and anti-biofilm activities against oral streptococci, including <i>Streptococcus mutans</i> . <i>Archives of Oral Biology</i> , 2018, 96, 208-215.	0.8	12
482	Induction of the pneumococcal <i>vncRS</i> operon by lactoferrin is essential for pneumonia. <i>Virulence</i> , 2018, 9, 1562-1575.	1.8	12
483	Erianin against <i>Staphylococcus aureus</i> Infection via Inhibiting Sortase A. <i>Toxins</i> , 2018, 10, 385.	1.5	42
484	Phloretin reduces cell injury and inflammation mediated by <i>Staphylococcus aureus</i> via targeting sortase B and the molecular mechanism. <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 10665-10674.	1.7	15
485	Amentoflavone Ameliorates <i>Streptococcus suis</i> -Induced Infection <i>In Vitro</i> and <i>In Vivo</i> . <i>Applied and Environmental Microbiology</i> , 2018, 84, .	1.4	32
486	Does quorum sensing interference affect the fitness of bacterial pathogens in the real world?. <i>Environmental Microbiology</i> , 2018, 20, 3918-3926.	1.8	15
487	Attenuation of <i>Listeria monocytogenes</i> Virulence by <i>Cannabis sativa</i> L. Essential Oil. <i>Frontiers in Cellular and Infection Microbiology</i> , 2018, 8, 293.	1.8	46
488	Identification of FDA-Approved Drugs as Antivirulence Agents Targeting the <i>pqs</i> Quorum-Sensing System of <i>Pseudomonas aeruginosa</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2018, 62, .	1.4	82
489	Development of a Dominant Negative Competence-Stimulating Peptide (dnCSP) that Attenuates <i>Streptococcus pneumoniae</i> Infectivity in a Mouse Model of Acute Pneumonia. <i>ChemBioChem</i> , 2018, 19, 2380-2386.	1.3	21
490	The Novel Protein Cj0371 Inhibits Chemotaxis of <i>Campylobacter jejuni</i> . <i>Frontiers in Microbiology</i> , 2018, 9, 1904.	1.5	2
491	Synergistic activity of an OmpA inhibitor and colistin against colistin-resistant <i>Acinetobacter baumannii</i> : mechanistic analysis and in vivo efficacy. <i>Journal of Antimicrobial Chemotherapy</i> , 2018, 73, 3405-3412.	1.3	25
492	Structure-Based Design of MptpB Inhibitors That Reduce Multidrug-Resistant <i>Mycobacterium tuberculosis</i> Survival and Infection Burden in Vivo. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 8337-8352.	2.9	35
493	Fructose furoic acid ester: An effective quorum sensing inhibitor against uropathogenic <i>Escherichia coli</i> . <i>Bioorganic Chemistry</i> , 2018, 79, 310-318.	2.0	14
494	Nanorod films of bisbenzimidazo[2,1-a:2',1'-a']anthra[2,1,9-def:6,5,10-d'e'a'f'a']diisoquinoline-10,21-dione7 (BI-diisoQ) for highly optoelectronic devices. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 12067-12075.	1.1	6
495	Quorum sensing signals and related virulence inhibition of <i>Pseudomonas aeruginosa</i> by a potential probiotic strain's organic acid. <i>Microbial Pathogenesis</i> , 2018, 121, 190-197.	1.3	54
496	Assessing the public health impact of tolerance-based therapies with mathematical models. <i>PLoS Computational Biology</i> , 2018, 14, e1006119.	1.5	8

#	ARTICLE	IF	CITATIONS
497	A Mathematical Model of the Inflammatory Response to Pathogen Challenge. <i>Bulletin of Mathematical Biology</i> , 2018, 80, 2242-2271.	0.9	7
498	Transpeptidation-directed intramolecular bipartite tetracysteine display for sortase activity assay. <i>Chemical Communications</i> , 2018, 54, 8116-8119.	2.2	6
499	2-Phenylquinoline <i>S. aureus</i> NorA Efflux Pump Inhibitors: Evaluation of the Importance of Methoxy Group Introduction. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 7827-7848.	2.9	46
500	Effect of β -lactones and β -lactams compounds on <i>Streptococcus mutans</i> biofilms. <i>Journal of Applied Oral Science</i> , 2018, 26, e20170065.	0.7	7
501	<i>Staphylococcus aureus</i> virulence attenuation and immune clearance mediated by a phage lysin-derived protein. <i>EMBO Journal</i> , 2018, 37, .	3.5	19
502	Network-based genetic investigation of virulence-associated phenotypes in methicillin-resistant <i>Staphylococcus aureus</i> . <i>Scientific Reports</i> , 2018, 8, 10796.	1.6	5
503	In Vitro Characterization of a Biaryl Amide Anti-virulence Compound Targeting <i>Candida albicans</i> Filamentation and Biofilm Formation. <i>Frontiers in Cellular and Infection Microbiology</i> , 2018, 8, 227.	1.8	17
504	Phytochemicals from <i>Camellia nitidissima</i> Chi Flowers Reduce the Pyocyanin Production and Motility of <i>Pseudomonas aeruginosa</i> PAO1. <i>Frontiers in Microbiology</i> , 2017, 8, 2640.	1.5	53
505	Oligopeptide Targeting Sortase A as Potential Anti-infective Therapy for <i>Staphylococcus aureus</i> . <i>Frontiers in Microbiology</i> , 2018, 9, 245.	1.5	37
506	Genetic and Virulent Difference Between Pigmented and Non-pigmented <i>Staphylococcus aureus</i> . <i>Frontiers in Microbiology</i> , 2018, 9, 598.	1.5	26
507	The Herbal Compound Thymol Protects Mice From Lethal Infection by <i>Salmonella Typhimurium</i> . <i>Frontiers in Microbiology</i> , 2018, 9, 1022.	1.5	29
508	Antimicrobial and Antibiofilm Activities of Citrus Water-Extracts Obtained by Microwave-Assisted and Conventional Methods. <i>Biomedicines</i> , 2018, 6, 70.	1.4	29
509	Recent Advances on Octahedral Polypyridyl Ruthenium(II) Complexes as Antimicrobial Agents. <i>Polymers</i> , 2018, 10, 650.	2.0	31
510	Identification and Characterization of Type IV Pili as the Cellular Receptor of Broad Host Range <i>Stenotrophomonas maltophilia</i> Bacteriophages DLP1 and DLP2. <i>Viruses</i> , 2018, 10, 338.	1.5	45
511	Suppression of <i>Staphylococcus aureus</i> virulence by a small-molecule compound. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 8003-8008.	3.3	49
512	Synthesis and bioactivity of thiazolidin-2-cyanamide derivatives against type III secretion system of <i>Xanthomonas oryzae</i> on rice. <i>Pesticide Biochemistry and Physiology</i> , 2018, 149, 89-97.	1.6	20
513	Predictive modelling of a novel anti-adhesion therapy to combat bacterial colonisation of burn wounds. <i>PLoS Computational Biology</i> , 2018, 14, e1006071.	1.5	10
514	The natural and synthetic indole weaponry against bacteria. <i>Tetrahedron Letters</i> , 2018, 59, 3223-3233.	0.7	44

#	ARTICLE	IF	CITATIONS
515	Recent progress in bio-inspired biofilm-resistant polymeric surfaces. <i>Critical Reviews in Microbiology</i> , 2018, 44, 633-652.	2.7	24
516	A Rapid Image-based Bacterial Virulence Assay Using Amoeba. <i>Journal of Visualized Experiments</i> , 2018, , .	0.2	2
517	Silencing the nosocomial pathogen <i>Serratia marcescens</i> by glyceryl trinitrate. <i>African Health Sciences</i> , 2018, 18, 1.	0.3	4
518	Microbial Hazards in Treated Wastewater: Challenges and Opportunities for Their Reusing in Egypt. <i>Handbook of Environmental Chemistry</i> , 2018, , 313-336.	0.2	0
519	Structure-Activity Relationships of the Competence Stimulating Peptide in <i>Streptococcus mutans</i> Reveal Motifs Critical for Membrane Protease SepM Recognition and ComD Receptor Activation. <i>ACS Infectious Diseases</i> , 2018, 4, 1385-1394.	1.8	26
520	Genetic Mechanisms of Antibiotic Resistance and the Role of Antibiotic Adjuvants. <i>Current Topics in Medicinal Chemistry</i> , 2018, 18, 42-74.	1.0	28
521	Defining the hydrophobic interactions that drive competence stimulating peptide (CSP)-ComD binding in <i>Streptococcus pneumoniae</i> . <i>Beilstein Journal of Organic Chemistry</i> , 2018, 14, 1769-1777.	1.3	10
522	Fisetin Lowers <i>Streptococcus suis</i> serotype 2 Pathogenicity in Mice by Inhibiting the Hemolytic Activity of Sulysin. <i>Frontiers in Microbiology</i> , 2018, 9, 1723.	1.5	20
523	Tackling <i>Pseudomonas aeruginosa</i> Virulence by a Hydroxamic Acid-Based LasB Inhibitor. <i>ACS Chemical Biology</i> , 2018, 13, 2449-2455.	1.6	24
524	Mycobacterial MenJ: An Oxidoreductase Involved in Menaquinone Biosynthesis. <i>ACS Chemical Biology</i> , 2018, 13, 2498-2507.	1.6	31
525	Investigating the Mechanism of Action of Diketopiperazines Inhibitors of the <i>Burkholderia cenocepacia</i> Quorum Sensing Synthase CepI: A Site-Directed Mutagenesis Study. <i>Frontiers in Pharmacology</i> , 2018, 9, 836.	1.6	22
526	Terrein is an inhibitor of quorum sensing and c-di-GMP in <i>Pseudomonas aeruginosa</i> : a connection between quorum sensing and c-di-GMP. <i>Scientific Reports</i> , 2018, 8, 8617.	1.6	59
527	Bioactive Phytochemicals Targeting Microbial Activities Mediated by Quorum Sensing. , 2018, , 397-416.		7
528	Developing Anti-virulence Chemotherapies by Exploiting the Diversity of Microbial Quorum Sensing Systems. , 2018, , 151-208.		1
529	Natural Products With Quorum Quenching-Independent Antivirulence Properties. <i>Studies in Natural Products Chemistry</i> , 2018, , 327-351.	0.8	7
530	Type III secretion inhibitors for the management of bacterial plant diseases. <i>Molecular Plant Pathology</i> , 2019, 20, 20-32.	2.0	31
531	Discovery and development of substituted thiadiazoles as inhibitors of <i>Staphylococcus aureus</i> Sortase A. <i>Bioorganic and Medicinal Chemistry</i> , 2019, 27, 115043.	1.4	13
532	Discovery of Ethyl 2-Nitro-3-Arylacrylates Molecules as T3SS Inhibitor Reducing the Virulence of Plant Pathogenic Bacteria <i>Xanthomonas</i> . <i>Frontiers in Microbiology</i> , 2019, 10, 1874.	1.5	8

#	ARTICLE	IF	CITATIONS
534	Luteolin Inhibits Listeriolysin O Translation by Directly Targeting the Coding Region of the hly mRNA. <i>Frontiers in Microbiology</i> , 2019, 10, 1496.	1.5	10
535	Mechanism of catalysis and inhibition of <i>Mycobacterium tuberculosis</i> SapM, implications for the development of novel antivirulence drugs. <i>Scientific Reports</i> , 2019, 9, 10315.	1.6	28
536	Aloe-emodin Attenuates <i>Staphylococcus aureus</i> Pathogenicity by Interfering With the Oligomerization of δ -Toxin. <i>Frontiers in Cellular and Infection Microbiology</i> , 2019, 9, 157.	1.8	30
537	Mathematical model predicts anti-adhesion“antibiotic“debridement combination therapies can clear an antibiotic resistant infection. <i>PLoS Computational Biology</i> , 2019, 15, e1007211.	1.5	8
538	<i>Pseudomonas aeruginosa</i> Regulatory Protein AnvM Controls Pathogenicity in Anaerobic Environments and Impacts Host Defense. <i>MBio</i> , 2019, 10, .	1.8	16
539	Ginkgetin<i> in vitro and in vivo</i> reduces<i> Streptococcus suis</i> virulence by inhibiting suilysin activity. <i>Journal of Applied Microbiology</i> , 2019, 127, 1556-1563.	1.4	10
540	Electroactive Smart Materials: Novel Tools for Tailoring Bacteria Behavior and Fight Antimicrobial Resistance. <i>Frontiers in Bioengineering and Biotechnology</i> , 2019, 7, 277.	2.0	20
541	<p>Near-Infrared Light-Enhanced Protease-Conjugated Gold Nanorods As A Photothermal Antimicrobial Agent For Elimination Of Exotoxin And Biofilms</p>. <i>International Journal of Nanomedicine</i> , 2019, Volume 14, 8047-8058.	3.3	31
543	Natural Products That Target Virulence Factors in Antibiotic-Resistant <i>Staphylococcus aureus</i>. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 13195-13211.	2.4	89
544	A Potent Anti-SpuE Antibody Allosterically Inhibits Type III Secretion System and Attenuates Virulence of <i>Pseudomonas Aeruginosa</i> . <i>Journal of Molecular Biology</i> , 2019, 431, 4882-4896.	2.0	9
545	In silico Selection and Experimental Validation of FDA-Approved Drugs as Anti-quorum Sensing Agents. <i>Frontiers in Microbiology</i> , 2019, 10, 2355.	1.5	38
546	Use of Mass Spectrometry to Profile Peptides in Whey Protein Isolate Medium Fermented by <i>Lactobacillus helveticus</i> LH-2 and <i>Lactobacillus acidophilus</i> La-5. <i>Frontiers in Nutrition</i> , 2019, 6, 152.	1.6	38
547	Identification of Benzyloxy Carbonimidoyl Dicyanide Derivatives as Novel Type III Secretion System Inhibitors via High-Throughput Screening. <i>Frontiers in Plant Science</i> , 2019, 10, 1059.	1.7	17
548	Anti-virulence activities of biflavonoids from <i>Mesua ferrea</i> L. flower. <i>Drug Discoveries and Therapeutics</i> , 2019, 13, 222-227.	0.6	11
549	An in situ high-throughput screen identifies inhibitors of intracellularBurkholderia pseudomalleiwith therapeutic efficacy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 18597-18606.	3.3	13
550	Novel <i>S</i>-Thiazol-2-yl-furan-2-carbothioate Derivatives as Potential T3SS Inhibitors Against <i>Xanthomonas oryzae</i> on Rice. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 11867-11876.	2.4	27
551	Computational Insights into Avidity of Polymeric Multivalent Binders. <i>Biophysical Journal</i> , 2019, 117, 892-902.	0.2	16
552	Inhibition of Pore-Forming Proteins. <i>Toxins</i> , 2019, 11, 545.	1.5	16

#	ARTICLE	IF	CITATIONS
553	Host-Specific Adaptive Diversification of Crohn's Disease-Associated Adherent-Invasive Escherichia coli. <i>Cell Host and Microbe</i> , 2019, 25, 301-312.e5.	5.1	65
554	Approaches to the Structure-Based Design of Antivirulence Drugs: Therapeutics for the Post-Antibiotic Era. <i>Molecules</i> , 2019, 24, 378.	1.7	19
555	The Anthelmintic Drug Niclosamide Synergizes with Colistin and Reverses Colistin Resistance in Gram-Negative Bacilli. <i>Antimicrobial Agents and Chemotherapy</i> , 2019, 63, .	1.4	49
556	Quercetin reduces <i>Streptococcus suis</i> virulence by inhibiting suilysin activity and inflammation. <i>International Immunopharmacology</i> , 2019, 69, 71-78.	1.7	24
557	Omics Technologies to Understand Activation of a Biosynthetic Gene Cluster in <i>Micromonospora</i> sp. WMMB235: Deciphering Keyicin Biosynthesis. <i>ACS Chemical Biology</i> , 2019, 14, 1260-1270.	1.6	8
558	Differential effects of alkyl gallates on quorum sensing in <i>Pseudomonas aeruginosa</i> . <i>Scientific Reports</i> , 2019, 9, 7741.	1.6	19
559	In-vivo microscopy reveals the impact of <i>Pseudomonas aeruginosa</i> social interactions on host colonization. <i>ISME Journal</i> , 2019, 13, 2403-2414.	4.4	28
560	Engineering quorum quenching enzymes: progress and perspectives. <i>Biochemical Society Transactions</i> , 2019, 47, 793-800.	1.6	43
561	A scorpion venom peptide derivative BmK α '22 with potent antibiofilm activity against <i>Pseudomonas aeruginosa</i> . <i>PLoS ONE</i> , 2019, 14, e0218479.	1.1	15
562	Inhibition of Pathogen Adhesion by Bacterial Outer Membrane-Coated Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 11404-11408.	7.2	114
563	Inhibition of Pathogen Adhesion by Bacterial Outer Membrane-Coated Nanoparticles. <i>Angewandte Chemie</i> , 2019, 131, 11526-11530.	1.6	4
564	<i>Staphylococcus aureus</i> Toxins: From Their Pathogenic Roles to Anti-virulence Therapy Using Natural Products. <i>Biotechnology and Bioprocess Engineering</i> , 2019, 24, 424-435.	1.4	15
565	Ferrocene derivatives as anti-infective agents. <i>Coordination Chemistry Reviews</i> , 2019, 396, 22-48.	9.5	87
566	The Type III Secretion System (T3SS)-Translocon of Atypical Enteropathogenic <i>Escherichia coli</i> (aEPEC) Can Mediate Adherence. <i>Frontiers in Microbiology</i> , 2019, 10, 1527.	1.5	19
567	Synthesis and bioactivity of 1,3-thiazolidine-2-thione derivatives against type III secretion system of <i>Xanthomonas oryzae</i> . <i>Bioorganic and Medicinal Chemistry</i> , 2019, 27, 3364-3371.	1.4	8
568	Proanthocyanidin Interferes with Intrinsic Antibiotic Resistance Mechanisms of Gram-Negative Bacteria. <i>Advanced Science</i> , 2019, 6, 1802333.	5.6	45
569	First-generation structure-activity relationship studies of 2,3,4,9-tetrahydro-1H-carbazol-1-amines as CpxA phosphatase inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2019, 29, 1836-1841.	1.0	14
570	Drug-like Fragments Inhibit agr-Mediated Virulence Expression in <i>Staphylococcus aureus</i> . <i>Scientific Reports</i> , 2019, 9, 6786.	1.6	24

#	ARTICLE	IF	CITATIONS
571	Easily Accessible, Highly Potent, Photocontrolled Modulators of Bacterial Communication. <i>CheM</i> , 2019, 5, 1293-1301.	5.8	23
572	Attenuation of Multiple <i>Vibrio parahaemolyticus</i> Virulence Factors by Citral. <i>Frontiers in Microbiology</i> , 2019, 10, 894.	1.5	40
573	Small-Molecule Inhibitors of <i>Haemophilus influenzae</i> IgA1 Protease. <i>ACS Infectious Diseases</i> , 2019, 5, 1129-1138.	1.8	10
574	Antibiotic Resistance and the MRSA Problem. <i>Microbiology Spectrum</i> , 2019, 7, .	1.2	208
575	Inhibition of suilysin activity and inflammation by myricetin attenuates <i>Streptococcus suis</i> virulence. <i>Life Sciences</i> , 2019, 223, 62-68.	2.0	15
576	Recent Advances in Anti-virulence Therapeutic Strategies With a Focus on Dismantling Bacterial Membrane Microdomains, Toxin Neutralization, Quorum-Sensing Interference and Biofilm Inhibition. <i>Frontiers in Cellular and Infection Microbiology</i> , 2019, 9, 74.	1.8	198
577	Antibacterial and antifungal properties of resveratrol. <i>International Journal of Antimicrobial Agents</i> , 2019, 53, 716-723.	1.1	250
578	Small Molecule Inhibitors Specifically Targeting the Type III Secretion System of <i>Xanthomonas oryzae</i> on Rice. <i>International Journal of Molecular Sciences</i> , 2019, 20, 971.	1.8	12
579	Activity and Impact on Resistance Development of Two Antivirulence Fluoropyrimidine Drugs in <i>Pseudomonas aeruginosa</i> . <i>Frontiers in Cellular and Infection Microbiology</i> , 2019, 9, 49.	1.8	37
580	Small-molecule inhibitor of HlyU attenuates virulence of <i>Vibrio</i> species. <i>Scientific Reports</i> , 2019, 9, 4346.	1.6	19
581	Saline Environments as a Source of Potential Quorum Sensing Disruptors to Control Bacterial Infections: A Review. <i>Marine Drugs</i> , 2019, 17, 191.	2.2	28
582	<i>N</i> -Methylation of Amino Acids in Gelatinase Biosynthesis-Activating Pheromone Identifies Key Site for Stability Enhancement with Retention of the <i>Enterococcus faecalis</i> <i>fsr</i> Quorum Sensing Circuit Response. <i>ACS Infectious Diseases</i> , 2019, 5, 1035-1041.	1.8	12
583	Quorum sensing interruption as a tool to control virulence of plant pathogenic bacteria. <i>Physiological and Molecular Plant Pathology</i> , 2019, 106, 281-291.	1.3	11
584	Trimeric autotransporter adhesins in <i>Acinetobacter baumannii</i> , coincidental evolution at work. <i>Infection, Genetics and Evolution</i> , 2019, 71, 116-127.	1.0	24
585	Apicidin Attenuates MRSA Virulence through Quorum-Sensing Inhibition and Enhanced Host Defense. <i>Cell Reports</i> , 2019, 27, 187-198.e6.	2.9	54
586	Nanomaterials with a photothermal effect for antibacterial activities: an overview. <i>Nanoscale</i> , 2019, 11, 8680-8691.	2.8	338
587	The unique trimeric assembly of the virulence factor HtrA from <i>Helicobacter pylori</i> occurs via N-terminal domain swapping. <i>Journal of Biological Chemistry</i> , 2019, 294, 7990-8000.	1.6	16
588	Prenylated Diresorcinols Inhibit Bacterial Quorum Sensing. <i>Journal of Natural Products</i> , 2019, 82, 550-558.	1.5	23

#	ARTICLE	IF	CITATIONS
589	Enamines of 1,3-dimethylbarbiturates and their symmetrical palladium(II) complexes: synthesis, characterization and biological activity. <i>Transition Metal Chemistry</i> , 2019, 44, 391-397.	0.7	11
590	Sepsis: mechanisms of bacterial injury to the patient. <i>Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine</i> , 2019, 27, 19.	1.1	130
591	<i>Stenotrophomonas maltophilia</i> AHL-Degrading Strains Isolated from Marine Invertebrate Microbiota Attenuate the Virulence of <i>Pectobacterium carotovorum</i> and <i>Vibrio coralliilyticus</i> . <i>Marine Biotechnology</i> , 2019, 21, 276-290.	1.1	24
592	Insights into histidine kinase activation mechanisms from the monomeric blue light sensor EL346. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 4963-4972.	3.3	19
593	Novel targets to develop new antibacterial agents and novel alternatives to antibacterial agents. <i>Human Microbiome Journal</i> , 2019, 11, 100052.	3.8	76
594	Cinnamaldehyde inhibits type three secretion system in <i>Salmonella enterica</i> serovar Typhimurium by affecting the expression of key effector proteins. <i>Veterinary Microbiology</i> , 2019, 239, 108463.	0.8	18
595	Broad-Spectrum Bioactivity of Chitosan N-acetylglucosaminohydrolase (Chitosan NAGH) Extracted from <i>Bacillus ligninophilus</i> . <i>Journal of AOAC INTERNATIONAL</i> , 2019, 102, 1221-1227.	0.7	1
596	Sulfonamide-based diffusible signal factor analogs interfere with quorum sensing in <i>Stenotrophomonas maltophilia</i> and <i>Burkholderia cepacia</i> . <i>Future Medicinal Chemistry</i> , 2019, 11, 1565-1582.	1.1	15
597	Antibiotic Resistance and the MRSA Problem. , 0, , 747-765.		11
598	Quinazoline-Based Antivirulence Compounds Selectively Target <i>Salmonella</i> PhoP/PhoQ Signal Transduction System. <i>Antimicrobial Agents and Chemotherapy</i> , 2019, 64, .	1.4	23
599	Strategies to Overcome Antimicrobial Resistance (AMR) Making Use of Non-Essential Target Inhibitors: A Review. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5844.	1.8	129
600	Group A Streptococcal S Protein Utilizes Red Blood Cells as Immune Camouflage and Is a Critical Determinant for Immune Evasion. <i>Cell Reports</i> , 2019, 29, 2979-2989.e15.	2.9	16
602	Using Omics Technologies and Systems Biology to Identify Epitope Targets for the Development of Monoclonal Antibodies Against Antibiotic-Resistant Bacteria. <i>Frontiers in Immunology</i> , 2019, 10, 2841.	2.2	11
603	In vitro activity and In vivo efficacy of Isoliquiritigenin against <i>Staphylococcus xylosum</i> ATCC 700404 by IGD target. <i>PLoS ONE</i> , 2019, 14, e0226260.	1.1	9
604	Mitigation of acyl-homoserine lactone (AHL) based bacterial quorum sensing, virulence functions, and biofilm formation by yttrium oxide core/shell nanospheres: Novel approach to combat drug resistance. <i>Scientific Reports</i> , 2019, 9, 18476.	1.6	10
605	Quorum quenching: role of nanoparticles as signal jammers in Gram-negative bacteria. <i>Future Microbiology</i> , 2019, 14, 61-72.	1.0	37
606	Natural products as biofilm formation antagonists and regulators of quorum sensing functions: A comprehensive review update and future trends. <i>South African Journal of Botany</i> , 2019, 120, 65-80.	1.2	42
607	<i>Salmonella</i> Pathogenicity Island 1 Is Expressed in the Chicken Intestine and Promotes Bacterial Proliferation. <i>Infection and Immunity</i> , 2019, 87, .	1.0	11

#	ARTICLE	IF	CITATIONS
608	Silibinin attenuates <i>Streptococcus suis</i> serotype 2 virulence by targeting sulysin. <i>Journal of Applied Microbiology</i> , 2019, 126, 435-442.	1.4	6
609	Inhibition of alpha-hemolysin expression by resveratrol attenuates <i>Staphylococcus aureus</i> virulence. <i>Microbial Pathogenesis</i> , 2019, 127, 85-90.	1.3	44
610	Virulence, attachment and invasion of Caco-2 cells by multidrug-resistant bacteria isolated from wild animals. <i>Microbial Pathogenesis</i> , 2019, 128, 230-235.	1.3	8
611	Small-Molecule Allosteric Triggers of <i>Clostridium difficile</i> Toxin B Auto-proteolysis as a Therapeutic Strategy. <i>Cell Chemical Biology</i> , 2019, 26, 17-26.e13.	2.5	11
612	Red pepper <i>Capsicum baccatum</i> : source of antiadhesive and antibiofilm compounds against nosocomial bacteria. <i>Industrial Crops and Products</i> , 2019, 127, 148-157.	2.5	23
613	Identification of potential antivirulence agents by substitution-oriented screening for inhibitors of <i>Streptococcus pyogenes</i> sortase A. <i>European Journal of Medicinal Chemistry</i> , 2019, 161, 93-100.	2.6	9
614	Catechin-mediated restructuring of a bacterial toxin inhibits activity. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2019, 1863, 191-198.	1.1	36
615	Targeting quorum sensing mechanism: An alternative anti-virulent strategy for the treatment of bacterial infections. <i>South African Journal of Botany</i> , 2019, 120, 81-86.	1.2	28
616	Synergy of clavine alkaloid chanoclavine™ with tetracycline against multi-drug-resistant <i>E. coli</i> . <i>Journal of Biomolecular Structure and Dynamics</i> , 2019, 37, 1307-1325.	2.0	42
617	Biomimetic Nanotechnology toward Personalized Vaccines. <i>Advanced Materials</i> , 2020, 32, e1901255.	11.1	200
618	How are arbovirus vectors able to tolerate infection?. <i>Developmental and Comparative Immunology</i> , 2020, 103, 103514.	1.0	27
619	Inhibition of <i>Escherichia coli</i> O157:H7 and <i>Salmonella enterica</i> virulence factors by benzyl isothiocyanate. <i>Food Microbiology</i> , 2020, 86, 103303.	2.1	30
620	Antimicrobial activity and virulence attenuation of citral against the fish pathogen <i>Vibrio alginolyticus</i> . <i>Aquaculture</i> , 2020, 515, 734578.	1.7	37
621	Honokiol inhibits <i>Vibrio harveyi</i> hemolysin virulence by reducing its haemolytic activity. <i>Aquaculture Research</i> , 2020, 51, 206-214.	0.9	5
622	Quantitative ¹ H NMR spectroscopy (qNMR) in the early process development of a new quorum sensing inhibitor. <i>Magnetic Resonance in Chemistry</i> , 2020, 58, 31-40.	1.1	2
623	Targeting Parasite-Produced Macrophage Migration Inhibitory Factor as an Antivirulence Strategy With Antibiotic-Antibody Combination to Reduce Tissue Damage. <i>Journal of Infectious Diseases</i> , 2020, 221, 1185-1193.	1.9	11
624	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
625	Encapsulation of Red Propolis in Polymer Nanoparticles for the Destruction of Pathogenic Biofilms. <i>AAPS PharmSciTech</i> , 2020, 21, 49.	1.5	28

#	ARTICLE	IF	CITATIONS
626	An innovative role for tenoxicam as a quorum sensing inhibitor in <i>Pseudomonas aeruginosa</i> . Archives of Microbiology, 2020, 202, 555-565.	1.0	15
627	Baicalin attenuates <i>Streptococcus agalactiae</i> virulence and protects tilapia (<i>Oreochromis niloticus</i>) from group B streptococcal infection. Aquaculture, 2020, 516, 734645.	1.7	6
628	Chemical Targeting and Manipulation of Type III Secretion in the Phytopathogen <i>Xanthomonas campestris</i> for Control of Disease. Applied and Environmental Microbiology, 2020, 86, .	1.4	6
629	Ag-Conjugated graphene quantum dots with blue light-enhanced singlet oxygen generation for ternary-mode highly-efficient antimicrobial therapy. Journal of Materials Chemistry B, 2020, 8, 1371-1382.	2.9	56
630	Microorganisms and antibiotic production. , 2020, , 1-6.		1
631	Structural Modifications of the Quinolin-4-yloxy Core to Obtain New <i>Staphylococcus aureus</i> NorA Inhibitors. International Journal of Molecular Sciences, 2020, 21, 7037.	1.8	8
632	Opportunities and challenges in managing antibiotic resistance in bacteria using plant secondary metabolites. FÃ-toterapÃ-Ãç, 2020, 147, 104762.	1.1	31
633	Vanillin inhibits PqsR-mediated virulence in <i>Pseudomonas aeruginosa</i> . Food and Function, 2020, 11, 6496-6508.	2.1	33
634	Influence of Binding Site Affinity Patterns on Binding of Multivalent Polymers. ACS Omega, 2020, 5, 10774-10781.	1.6	10
635	Drugs with new lease of life as quorum sensing inhibitors: for combating MDR <i>Acinetobacter baumannii</i> infections. European Journal of Clinical Microbiology and Infectious Diseases, 2020, 39, 1687-1702.	1.3	46
636	Sortase A-Inhibitory Metabolites from a Marine-Derived Fungus <i>Aspergillus</i> sp.. Marine Drugs, 2020, 18, 359.	2.2	10
637	Potential therapeutic approaches for a sleeping pathogen: tuberculosis a case for bioinorganic chemistry. Journal of Biological Inorganic Chemistry, 2020, 25, 685-704.	1.1	6
638	In-Silico Identified New Natural Sortase A Inhibitors Disrupt <i>S. aureus</i> Biofilm Formation. International Journal of Molecular Sciences, 2020, 21, 8601.	1.8	29
639	Global Proteomic Profiling of <i>Piscirickettsia salmonis</i> and Salmon Macrophage-Like Cells during Intracellular Infection. Microorganisms, 2020, 8, 1845.	1.6	17
640	<i>Streptococcus gordonii</i> : Pathogenesis and Host Response to Its Cell Wall Components. Microorganisms, 2020, 8, 1852.	1.6	40
641	Tackling <i>Pseudomonas aeruginosa</i> Virulence by Mulinane-Like Diterpenoids from <i>Azorella atacamensis</i> . Biomolecules, 2020, 10, 1626.	1.8	11
642	Design of Nanosystems for the Delivery of Quorum Sensing Inhibitors: A Preliminary Study. Molecules, 2020, 25, 5655.	1.7	15
643	Highly Potent and Selective <i>N</i> -Aryl Oxamic Acid-Based Inhibitors for <i>Mycobacterium tuberculosis</i> Protein Tyrosine Phosphatase B. Journal of Medicinal Chemistry, 2020, 63, 9212-9227.	2.9	16

#	ARTICLE	IF	CITATIONS
644	2-aminobenzothiazoles Inhibit Virulence Gene Expression and Block Polymyxin Resistance in <i>Salmonella enterica</i> . <i>ChemBioChem</i> , 2020, 21, 3500-3503.	1.3	6
645	Periplasmic Targets for the Development of Effective Antimicrobials against Gram-Negative Bacteria. <i>ACS Infectious Diseases</i> , 2020, 6, 2337-2354.	1.8	25
646	Superbugs, silver bullets, and new battlefields. , 2020, , 81-106.		1
647	Nature-inspired synthetic analogues of quorum sensing signaling molecules as novel therapeutics against <i>Pseudomonas aeruginosa</i> infections. , 2020, , 497-523.		1
648	Targeting Protein Folding: A Novel Approach for the Treatment of Pathogenic Bacteria. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 13355-13388.	2.9	17
649	Gold nanoclusters decorated amine-functionalized graphene oxide nanosheets for capture, oxidative stress, and photothermal destruction of bacteria. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 196, 111313.	2.5	23
650	Myricanol Inhibits the Type III Secretion System of <i>Salmonella enterica</i> Serovar Typhimurium by Interfering With the DNA-Binding Activity of HilD. <i>Frontiers in Microbiology</i> , 2020, 11, 571217.	1.5	10
651	Chemical Control of Quorum Sensing in <i>E. coli</i> : Identification of Small Molecule Modulators of SdiA and Mechanistic Characterization of a Covalent Inhibitor. <i>ACS Infectious Diseases</i> , 2020, 6, 3092-3103.	1.8	13
652	Drug Targeting via Platelet Membrane-Coated Nanoparticles. <i>Small Structures</i> , 2020, 1, 2000018.	6.9	104
653	Structure Activity Relationship Study of the XIP Quorum Sensing Pheromone in <i>Streptococcus mutans</i> Reveal Inhibitors of the Competence Regulon. <i>ACS Chemical Biology</i> , 2020, 15, 2833-2841.	1.6	10
654	Spatiotemporal Regulation of <i>Vibrio</i> Exotoxins by HlyU and Other Transcriptional Regulators. <i>Toxins</i> , 2020, 12, 544.	1.5	10
655	Repurposing Anti-diabetic Drugs to Cripple Quorum Sensing in <i>Pseudomonas aeruginosa</i> . <i>Microorganisms</i> , 2020, 8, 1285.	1.6	47
656	iTRAQ-Based Proteomics Reveals Potential Anti-Virulence Targets for ESBL-Producing <i>Klebsiella pneumoniae</i> . <i>Infection and Drug Resistance</i> , 2020, Volume 13, 2891-2899.	1.1	4
657	Exoproteomics for Better Understanding <i>Pseudomonas aeruginosa</i> Virulence. <i>Toxins</i> , 2020, 12, 571.	1.5	17
658	Recent Advances of Polyaniline-Based Biomaterials for Phototherapeutic Treatments of Tumors and Bacterial Infections. <i>Bioengineering</i> , 2020, 7, 94.	1.6	23
659	A novel scaffold to fight <i>Pseudomonas aeruginosa</i> pyocyanin production: early steps to novel antivirulence drugs. <i>Future Medicinal Chemistry</i> , 2020, 12, 1489-1503.	1.1	3
660	Porphyrin Alternating Copolymer Vesicles for Photothermal Drug-Resistant Bacterial Ablation and Wound Disinfection. <i>ACS Applied Bio Materials</i> , 2020, 3, 9117-9125.	2.3	15
661	Virulence role of the outer membrane protein CarO in carbapenem-resistant <i>Acinetobacter baumannii</i> . <i>Virulence</i> , 2020, 11, 1727-1737.	1.8	16

#	ARTICLE	IF	CITATIONS
662	The evolution of virulence in <i>Pseudomonas aeruginosa</i> during chronic wound infection. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2020, 287, 20202272.	1.2	25
663	Structural analysis of the sensor domain of the β -lactam antibiotic receptor VbrK from <i>Vibrio parahaemolyticus</i> . <i>Biochemical and Biophysical Research Communications</i> , 2020, 533, 155-161.	1.0	7
664	A Shift in Central Metabolism Accompanies Virulence Activation in <i>Pseudomonas aeruginosa</i> . <i>MBio</i> , 2020, 11, .	1.8	30
665	Identification of FDA-approved antivirulence drugs targeting the <i>Pseudomonas aeruginosa</i> quorum sensing effector protein PqsE. <i>Virulence</i> , 2020, 11, 652-668.	1.8	28
666	Effect of Biosynthesized ZnO Nanoparticles on Multi-Drug Resistant <i>Pseudomonas Aeruginosa</i> . <i>Antibiotics</i> , 2020, 9, 260.	1.5	52
667	Morin inhibits <i>Listeria monocytogenes</i> virulence in vivo and in vitro by targeting listeriolysin O and inflammation. <i>BMC Microbiology</i> , 2020, 20, 112.	1.3	12
668	A bioinorganic chemistry perspective on the roles of metals as drugs and targets against <i>Mycobacterium tuberculosis</i> – a journey of opportunities. <i>Dalton Transactions</i> , 2020, 49, 15988-16003.	1.6	8
669	New strategies and targets for antibacterial discovery. , 2020, , 249-272.		2
670	Antibiotics can be used to contain drug-resistant bacteria by maintaining sufficiently large sensitive populations. <i>PLoS Biology</i> , 2020, 18, e3000713.	2.6	50
671	Targeting Two-Component Systems Uncovers a Small-Molecule Inhibitor of <i>Salmonella</i> Virulence. <i>Cell Chemical Biology</i> , 2020, 27, 793-805.e7.	2.5	26
672	The Diverse Search for Synthetic, Semisynthetic and Natural Product Antibiotics From the 1940s and Up to 1960 Exemplified by a Small Pharmaceutical Player. <i>Frontiers in Microbiology</i> , 2020, 11, 976.	1.5	14
673	The Type Three Secretion System of <i>Pseudomonas aeruginosa</i> as a Target for Development of Antivirulence Drugs. <i>Molecular Genetics, Microbiology and Virology</i> , 2020, 35, 1-13.	0.0	5
674	The rapid photoresponsive bacteria-killing of Cu-doped MoS ₂ . <i>Biomaterials Science</i> , 2020, 8, 4216-4224.	2.6	57
675	Caatinga biome plant extracts affect the planktonic growth and biofilm formation of <i>Xanthomonas citri</i> pv. <i>viticola</i> . <i>Journal of Plant Pathology</i> , 2020, 102, 1245-1250.	0.6	0
676	Sodium Ascorbate as a Quorum-Sensing Inhibitor Leads to Decreased Virulence in <i>Vibrio campbellii</i> . <i>Frontiers in Microbiology</i> , 2020, 11, 1054.	1.5	9
677	Membrane-Interactive Compounds From <i>Pistacia lentiscus</i> L. Thwart <i>Pseudomonas aeruginosa</i> Virulence. <i>Frontiers in Microbiology</i> , 2020, 11, 1068.	1.5	30
678	Identification of a multi-resistant <i>Enterobacter cloacae</i> strain from diseased crayfish (<i>Procambarus</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.7	5
679	Antivirulence properties and related mechanisms of spice essential oils: A comprehensive review. <i>Comprehensive Reviews in Food Science and Food Safety</i> , 2020, 19, 1018-1055.	5.9	43

#	ARTICLE	IF	CITATIONS
680	Fabrication of forsterite scaffolds with photothermal-induced antibacterial activity by 3D printing and polymer-derived ceramics strategy. <i>Ceramics International</i> , 2020, 46, 13607-13614.	2.3	18
681	Molecular study of some virulence genes of <i>Pseudomonas aeruginosa</i> isolated from different infections in hospitals of Baghdad. <i>Reviews in Medical Microbiology</i> , 2020, 31, 26-41.	0.4	2
682	Subinhibitory Concentrations of Fusidic Acid May Reduce the Virulence of <i>S. aureus</i> by Down-Regulating <i>sarA</i> and <i>saeRS</i> to Reduce Biofilm Formation and β -Toxin Expression. <i>Frontiers in Microbiology</i> , 2020, 11, 25.	1.5	27
683	Targeting staphylocoagulase with isoquercitrin protects mice from <i>Staphylococcus aureus</i> -induced pneumonia. <i>Applied Microbiology and Biotechnology</i> , 2020, 104, 3909-3919.	1.7	14
684	Plant growth-promoting activity and quorum quenching-mediated biocontrol of bacterial phytopathogens by <i>Pseudomonas segetis</i> strain P6. <i>Scientific Reports</i> , 2020, 10, 4121.	1.6	69
685	Synthesis and antibiofilm evaluation of 3-hydroxy-2,3-dihydroquinazolin-4(1H)-one derivatives against opportunistic pathogen <i>Acinetobacter baumannii</i> . <i>Bioorganic and Medicinal Chemistry</i> , 2020, 28, 115606.	1.4	13
686	Stilbenoids: A Natural Arsenal against Bacterial Pathogens. <i>Antibiotics</i> , 2020, 9, 336.	1.5	45
687	A review on the origin of multidrug-resistant <i>Salmonella</i> and perspective of tailored <i>phoP</i> gene towards avirulence. <i>Microbial Pathogenesis</i> , 2020, 147, 104352.	1.3	4
688	Essential oils mediated antivirulence therapy against vibriosis in <i>Penaeus vannamei</i> . <i>Aquaculture</i> , 2020, 529, 735639.	1.7	10
689	Discovery of Novel Peptidomimetic Boronate ClpP Inhibitors with Noncanonical Enzyme Mechanism as Potent Virulence Blockers <i>in Vitro</i> and <i>in Vivo</i> . <i>Journal of Medicinal Chemistry</i> , 2020, 63, 3104-3119.	2.9	16
690	Proteobiotics as a new antimicrobial therapy. <i>Microbial Pathogenesis</i> , 2020, 142, 104093.	1.3	9
691	Extremophilic <i>Natrinema versiforme</i> Against <i>Pseudomonas aeruginosa</i> Quorum Sensing and Biofilm. <i>Frontiers in Microbiology</i> , 2020, 11, 79.	1.5	11
692	Identification of Quorum Sensing Activators and Inhibitors in The Marine Sponge <i>Sarcotragus spinosulus</i> . <i>Marine Drugs</i> , 2020, 18, 127.	2.2	17
693	<i>Oxytropis glabra</i> DC. Inhibits Biofilm Formation of <i>Staphylococcus epidermidis</i> by Down-Regulating <i>ica</i> Operon Expression. <i>Current Microbiology</i> , 2020, 77, 1167-1173.	1.0	7
694	Schizandrin attenuates inflammation induced by avian pathogenic <i>Escherichia coli</i> in chicken type II pneumocytes. <i>International Immunopharmacology</i> , 2020, 81, 106313.	1.7	7
695	Antibacterial Therapeutic Agents Composed of Functional Biological Molecules. <i>Journal of Chemistry</i> , 2020, 2020, 1-13.	0.9	8
696	C-2 phenyl replacements to obtain potent quinoline-based <i>Staphylococcus aureus</i> NorA inhibitors. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2020, 35, 584-597.	2.5	13
697	Quorum sensing system: Target to control the spread of bacterial infections. <i>Microbial Pathogenesis</i> , 2020, 142, 104068.	1.3	58

#	ARTICLE	IF	CITATIONS
698	Inhibiting DosRST as a new approach to tuberculosis therapy. <i>Future Medicinal Chemistry</i> , 2020, 12, 457-467.	1.1	21
699	1-Hydroxyanthraquinone exhibited antibacterial activity by regulating glutamine synthetase of <i>Staphylococcus xylosus</i> as a virulence factor. <i>Biomedicine and Pharmacotherapy</i> , 2020, 123, 109779.	2.5	9
700	The combination of salvianolic acid A with latamoxef completely protects mice against lethal pneumonia caused by methicillin-resistant <i>Staphylococcus aureus</i> . <i>Emerging Microbes and Infections</i> , 2020, 9, 169-179.	3.0	23
701	d-Mannose Treatment neither Affects Uropathogenic <i>Escherichia coli</i> Properties nor Induces Stable FimH Modifications. <i>Molecules</i> , 2020, 25, 316.	1.7	43
702	Alternative strategies for the application of aminoglycoside antibiotics against the biofilm-forming human pathogenic bacteria. <i>Applied Microbiology and Biotechnology</i> , 2020, 104, 1955-1976.	1.7	22
703	Designing cyclic competence-stimulating peptide (CSP) analogs with pan-group quorum-sensing inhibition activity in <i>Streptococcus pneumoniae</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 1689-1699.	3.3	31
704	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
705	Antibacterial Activities of Novel Dithiocarbamate-Containing 4-H-Chromen-4-one Derivatives. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 5641-5647.	2.4	51
706	Bacterial outer membrane vesicles as a platform for biomedical applications: An update. <i>Journal of Controlled Release</i> , 2020, 323, 253-268.	4.8	160
707	Betulin attenuates pneumolysin-induced cell injury and DNA damage. <i>Journal of Applied Microbiology</i> , 2021, 130, 843-851.	1.4	5
708	Rutin reduces the pathogenicity of <i>Streptococcus agalactiae</i> to tilapia by inhibiting the activity of sortase A. <i>Aquaculture</i> , 2021, 530, 735743.	1.7	11
709	Polymeric ruthenium precursor as a photoactivated antimicrobial agent. <i>Journal of Hazardous Materials</i> , 2021, 402, 123788.	6.5	11
710	Increasing prevalence of hypervirulent ST5 methicillin susceptible <i>Staphylococcus aureus</i> subtype poses a serious clinical threat. <i>Emerging Microbes and Infections</i> , 2021, 10, 109-122.	3.0	29
711	The recent progress in photothermal-triggered bacterial eradication. <i>Biomaterials Science</i> , 2021, 9, 1995-2008.	2.6	33
712	Identification of Small Molecules Blocking the <i>Pseudomonas aeruginosa</i> Type III Secretion System Protein PcrV. <i>Biomolecules</i> , 2021, 11, 55.	1.8	6
714	Synthesis and biological evaluation of thiazolidinedione derivatives with high ligand efficiency to <i>P. aeruginosa</i> PhzS. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2021, 36, 1217-1229.	2.5	5
715	Novel metabolites from the <i>Cercis chinensis</i> derived endophytic fungus <i>Alternaria alternata</i> ZHJG5 and their antibacterial activities. <i>Pest Management Science</i> , 2021, 77, 2264-2271.	1.7	16
716	Interactions between Biomedical Micro/Nano-Motors and the Immune Molecules, Immune Cells, and the Immune System: Challenges and Opportunities. <i>Advanced Healthcare Materials</i> , 2021, 10, e2001788.	3.9	32

#	ARTICLE	IF	CITATIONS
717	Aerogels as microbial disinfectant. , 2021, , 201-215.		2
718	Exploring Electroactive Microenvironments in Polymer-Based Nanocomposites to Sensitize Bacterial Cells to Low Doses of Antimicrobials. SSRN Electronic Journal, 0, , .	0.4	0
719	Effect of azithromycin and phenylalanine-arginine beta-naphthylamide on quorum sensing and virulence factors in clinical isolates of <i>Pseudomonas aeruginosa</i> . Iranian Journal of Microbiology, 2021, 13, 37-49.	0.8	3
721	Small molecule natural products in human nasal/oral microbiota. Journal of Industrial Microbiology and Biotechnology, 2021, 48, .	1.4	7
722	Epigallocatechin gallate alters leukotoxin secretion and <i>Aggregatibacter actinomycetemcomitans</i> virulence. Journal of Pharmacy and Pharmacology, 2021, 73, 505-514.	1.2	6
723	Adaptive Therapy for Metastatic Melanoma: Predictions from Patient Calibrated Mathematical Models. Cancers, 2021, 13, 823.	1.7	44
724	Mechanisms of Effector-Mediated Immunity Revealed by the Accidental Human Pathogen <i>Legionella pneumophila</i> . Frontiers in Cellular and Infection Microbiology, 2020, 10, 593823.	1.8	9
725	Antivirulence DsbA inhibitors attenuate <i>Salmonella enterica</i> serovar Typhimurium fitness without detectable resistance. FASEB BioAdvances, 2021, 3, 231-242.	1.3	3
726	Towards Zero Zinc Oxide: Feeding Strategies to Manage Post-Weaning Diarrhea in Piglets. Animals, 2021, 11, 642.	1.0	82
727	Repurposing of antidiabetics as <i>Serratia marcescens</i> virulence inhibitors. Brazilian Journal of Microbiology, 2021, 52, 627-638.	0.8	28
728	Nanoparticle-mediated pulmonary drug delivery: state of the art towards efficient treatment of recalcitrant respiratory tract bacterial infections. Drug Delivery and Translational Research, 2021, 11, 1634-1654.	3.0	33
729	Selective reaction of conjugated polymers with basic proteins for broad-spectrum antivirulence therapy. NPG Asia Materials, 2021, 13, .	3.8	0
730	A New PqsR Inverse Agonist Potentiates Tobramycin Efficacy to Eradicate <i>Pseudomonas aeruginosa</i> Biofilms. Advanced Science, 2021, 8, e2004369.	5.6	34
731	The Surge of Hypervirulent ST398 MRSA Lineage With Higher Biofilm-Forming Ability Is a Critical Threat to Clinics. Frontiers in Microbiology, 2021, 12, 636788.	1.5	15
732	Phosphonate as a Stable Zinc-Binding Group for Pathoblocker Inhibitors of Clostridial Collagenase H (ColH). ChemMedChem, 2021, 16, 1257-1267.	1.6	14
733	Microbial Genomics as a Catalyst for Targeted Antivirulence Therapeutics. Frontiers in Medicine, 2021, 8, 641260.	1.2	4
734	Apigenin and Ampicillin as Combined Strategy to Treat Severe <i>Streptococcus suis</i> Infection. Molecules, 2021, 26, 1980.	1.7	4
735	Gradient-Based Microfluidic Platform for One Single Rapid Antimicrobial Susceptibility Testing. ACS Sensors, 2021, 6, 1560-1571.	4.0	14

#	ARTICLE	IF	CITATIONS
736	Discovery of uncompetitive inhibitors of SapM that compromise intracellular survival of <i>Mycobacterium tuberculosis</i> . <i>Scientific Reports</i> , 2021, 11, 7667.	1.6	4
737	Discovery of inhibitors of <i>Pseudomonas aeruginosa</i> virulence through the search for natural-like compounds with a dual role as inducers and substrates of efflux pumps. <i>Environmental Microbiology</i> , 2021, 23, 7396-7411.	1.8	16
738	Effective Antibacterial and Antihemolysin Activities of Ellipticine Hydrochloride against <i>Streptococcus suis</i> in a Mouse Model. <i>Applied and Environmental Microbiology</i> , 2021, 87, .	1.4	7
739	Eugenol-Functionalized Magnetite Nanoparticles Modulate Virulence and Persistence in <i>Pseudomonas aeruginosa</i> Clinical Strains. <i>Molecules</i> , 2021, 26, 2189.	1.7	27
740	Mammalian Neuropeptides as Modulators of Microbial Infections: Their Dual Role in Defense versus Virulence and Pathogenesis. <i>International Journal of Molecular Sciences</i> , 2021, 22, 3658.	1.8	10
741	Baicalein Ameliorates <i>Streptococcus suis</i> -Induced Infection In Vitro and In Vivo. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5829.	1.8	6
742	Type 3 secretion system 1 of <i>Salmonella typhimurium</i> and its inhibitors: a novel strategy to combat salmonellosis. <i>Environmental Science and Pollution Research</i> , 2021, 28, 34154-34166.	2.7	11
743	Xylitol Inhibits Growth and Blocks Virulence in <i>Serratia marcescens</i> . <i>Microorganisms</i> , 2021, 9, 1083.	1.6	38
744	Liposomes Prevent In Vitro Hemolysis Induced by Streptolysin O and Lysenin. <i>Membranes</i> , 2021, 11, 364.	1.4	2
745	Applications of Catechins in the Treatment of Bacterial Infections. <i>Pathogens</i> , 2021, 10, 546.	1.2	36
746	Potential Tamoxifen Repurposing to Combat Infections by Multidrug-Resistant Gram-Negative Bacilli. <i>Pharmaceuticals</i> , 2021, 14, 507.	1.7	4
747	The Potential of Phage Therapy against the Emerging Opportunistic Pathogen <i>Stenotrophomonas maltophilia</i> . <i>Viruses</i> , 2021, 13, 1057.	1.5	22
748	Therapeutic effects, immunogenicity and cytotoxicity of a cell penetrating peptide-peptide nucleic acid conjugate against <i>cagA</i> of <i>Helicobacter pylori</i> in cell culture and animal model. <i>Iranian Journal of Microbiology</i> , 2021, 13, 360-371.	0.8	0
749	From Quinoline to Quinazoline-Based <i>S. aureus</i> NorA Efflux Pump Inhibitors by Coupling a Focused Scaffold Hopping Approach and a Pharmacophore Search. <i>ChemMedChem</i> , 2021, 16, 3044-3059.	1.6	9
750	Old problems and new solutions: antibiotic alternatives in food animal production. <i>Canadian Journal of Microbiology</i> , 2021, 67, 427-444.	0.8	11
751	Functionalized Chitosan Nanomaterials: A Jammer for Quorum Sensing. <i>Polymers</i> , 2021, 13, 2533.	2.0	22
752	Microbiota-derived metabolites inhibit <i>Salmonella</i> virulent subpopulation development by acting on single-cell behaviors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	20
753	Taxifolin, an Inhibitor of Sortase A, Interferes With the Adhesion of Methicillin-Resistant <i>Staphylococcus aureus</i> . <i>Frontiers in Microbiology</i> , 2021, 12, 686864.	1.5	21

#	ARTICLE	IF	CITATIONS
754	Staquorsin: A Novel <i>Staphylococcus aureus</i> Agr-Mediated Quorum Sensing Inhibitor Impairing Virulence in vivo Without Notable Resistance Development. <i>Frontiers in Microbiology</i> , 2021, 12, 700494.	1.5	31
755	Targeted Protein Degradation: The New Frontier of Antimicrobial Discovery?. <i>ACS Infectious Diseases</i> , 2021, 7, 2050-2067.	1.8	11
756	Screening of small molecules attenuating biofilm formation of <i>Acinetobacter baumannii</i> by inhibition of ompA promoter activity. <i>Journal of Microbiology</i> , 2021, 59, 871-878.	1.3	9
757	The Herbal Compound Thymol Targets Multiple <i>Salmonella Typhimurium</i> Virulence Factors for Lon Protease Degradation. <i>Frontiers in Pharmacology</i> , 2021, 12, 674955.	1.6	11
758	Anti-Virulence Strategy against the Honey Bee Pathogenic Bacterium <i>Paenibacillus larvae</i> via Small Molecule Inhibitors of the Bacterial Toxin Plx2A. <i>Toxins</i> , 2021, 13, 607.	1.5	5
759	Anti-Virulence Activity of the Cell-Free Supernatant of the Antarctic Bacterium <i>Psychrobacter</i> sp. TAE2020 against <i>Pseudomonas aeruginosa</i> Clinical Isolates from Cystic Fibrosis Patients. <i>Antibiotics</i> , 2021, 10, 944.	1.5	6
760	Exploring electroactive microenvironments in polymer-based nanocomposites to sensitize bacterial cells to low-dose embedded silver nanoparticles. <i>Acta Biomaterialia</i> , 2022, 139, 237-248.	4.1	11
761	Resveratrol influences the pathogenesis of <i>Aeromonas hydrophila</i> by inhibiting production of aerolysin and biofilm. <i>Food Control</i> , 2021, 126, 108083.	2.8	13
762	Synthesis, characterization and antibiofilm/antimicrobial activity of nanoemulsions containing <i>Tetragastris catuaba</i> (Bursaceae) essential oil against disease-causing pathogens. <i>Journal of Drug Delivery Science and Technology</i> , 2022, 67, 102795.	1.4	7
764	Ostarine attenuates pyocyanin in <i>Pseudomonas aeruginosa</i> by interfering with quorum sensing systems. <i>Journal of Antibiotics</i> , 2021, 74, 863-873.	1.0	3
765	Chemical Biology of Sortase A Inhibition: A Gateway to Anti-infective Therapeutic Agents. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 13097-13130.	2.9	10
766	Aloe-Emodin-Mediated Photodynamic Therapy Attenuates Sepsis-Associated Toxins in Selected Gram-Positive Bacteria In Vitro. <i>Journal of Microbiology and Biotechnology</i> , 2021, 31, 1200-1209.	0.9	6
767	The Case against Antibiotics and for Anti-Virulence Therapeutics. <i>Microorganisms</i> , 2021, 9, 2049.	1.6	25
768	Genistein Inhibits the Pathogenesis of <i>Aeromonas hydrophila</i> by Disrupting Quorum Sensing Mediated Biofilm Formation and Aerolysin Production. <i>Frontiers in Pharmacology</i> , 2021, 12, 753581.	1.6	10
769	Myricetin protects mice against MRSA-related lethal pneumonia by targeting ClpP. <i>Biochemical Pharmacology</i> , 2021, 192, 114753.	2.0	13
770	Bioinorganic systems responsive to the diatomic gases O ₂ , NO, and CO: From biological sensors to therapy. <i>Coordination Chemistry Reviews</i> , 2021, 445, 214096.	9.5	14
771	Evolution of mechanical stability from lipid layers to complex bacterial envelope structures. <i>Advances in Biomembranes and Lipid Self-Assembly</i> , 2021, , 207-251.	0.3	1
772	The search for novel treatment strategies for <i>Streptococcus pneumoniae</i> infections. <i>FEMS Microbiology Reviews</i> , 2021, 45, .	3.9	8

#	ARTICLE	IF	CITATIONS
773	Mechanisms and Control Strategies of Antibiotic Resistance in Pathological Biofilms. Journal of Microbiology and Biotechnology, 2021, 31, 1-7.	0.9	24
774	Inhibition of Pseudomonas aeruginosa Biofilm Formation and Quorum Sensing System by Extracts of Prunus avium Stalk. International Journal of Advances in Engineering and Pure Sciences, 0, , .	0.2	0
776	Quantifying Nitric Oxide Flux Distributions. Methods in Molecular Biology, 2020, 2088, 161-188.	0.4	3
777	Cannabis Endophytes and Their Application in Breeding and Physiological Fitness. , 2017, , 419-437.		3
778	Medicinal Plants and Phytocompounds: A Potential Source of Novel Antibiofilm Agents. Springer Series on Biofilms, 2014, , 205-232.	0.0	13
779	Antibacterial Drug Discovery: Perspective Insights. , 2019, , 1-21.		4
780	Natural Inhibitors of Quorum-Sensing Factors: a Novel Strategy to Control Pathogenic Bacteria. Revista Brasileira De Farmacognosia, 2020, 30, 743-755.	0.6	6
781	Sortase A-Inhibitory Coumarins from the Folk Medicinal Plant <i>Poncirus trifoliata</i> . Journal of Natural Products, 2020, 83, 3004-3011.	1.5	11
782	Biphosphinic ruthenium complexes as the promising antimicrobial agents. New Journal of Chemistry, 2020, 44, 21318-21325.	1.4	11
783	6-hydroxydopamine-mediated release of norepinephrine increases faecal excretion of <i>Salmonella enterica</i> serovar Typhimurium in pigs. Veterinary Research, 2010, 41, 68.	1.1	29
784	The fungal-specific subunit <i>ij</i> of F1FO-ATP synthase stimulates the pathogenicity of <i>Candida albicans</i> independent of oxidative phosphorylation. Medical Mycology, 2021, 59, 639-652.	0.3	2
785	Carvacrol reduces <i>Clostridium difficile</i> sporulation and spore outgrowth in vitro. Journal of Medical Microbiology, 2017, 66, 1229-1234.	0.7	9
786	Furanone quorum-sensing inhibitors with potential as novel therapeutics against <i>Pseudomonas aeruginosa</i> . Journal of Medical Microbiology, 2020, 69, 195-206.	0.7	43
787	In vitro antivirulence activity of baicalin against <i>Clostridioides difficile</i> . Journal of Medical Microbiology, 2020, 69, 631-639.	0.7	7
793	Mechanisms of Competition in Biofilm Communities. , 0, , 319-342.		9
794	How to Use a Chemotherapeutic Agent When Resistance to It Threatens the Patient. PLoS Biology, 2017, 15, e2001110.	2.6	103
795	Oroxlylin A Inhibits Hemolysis via Hindering the Self-Assembly of β -Hemolysin Heptameric Transmembrane Pore. PLoS Computational Biology, 2013, 9, e1002869.	1.5	67
796	Capsaicin Protects Mice from Community-Associated Methicillin-Resistant <i>Staphylococcus aureus</i> Pneumonia. PLoS ONE, 2012, 7, e33032.	1.1	36

#	ARTICLE	IF	CITATIONS
797	Interactions among Quorum Sensing Inhibitors. PLoS ONE, 2013, 8, e62254.	1.1	21
798	A MAM7 Peptide-Based Inhibitor of Staphylococcus aureus Adhesion Does Not Interfere with In Vitro Host Cell Function. PLoS ONE, 2013, 8, e81216.	1.1	21
799	Solonamide B Inhibits Quorum Sensing and Reduces Staphylococcus aureus Mediated Killing of Human Neutrophils. PLoS ONE, 2014, 9, e84992.	1.1	97
800	CoryneBase: Corynebacterium Genomic Resources and Analysis Tools at Your Fingertips. PLoS ONE, 2014, 9, e86318.	1.1	5
801	Cell-Wall Glycolipid Mutations and Their Effects on Virulence of E. faecalis in a Rat Model of Infective Endocarditis. PLoS ONE, 2014, 9, e91863.	1.1	12
802	Rational Design of Berberine-Based FtsZ Inhibitors with Broad-Spectrum Antibacterial Activity. PLoS ONE, 2014, 9, e97514.	1.1	82
803	Small Molecule Deubiquitinase Inhibitors Promote Macrophage Anti-Infective Capacity. PLoS ONE, 2014, 9, e104096.	1.1	14
804	Affecting Pseudomonas aeruginosa Phenotypic Plasticity by Quorum Sensing Dysregulation Hampers Pathogenicity in Murine Chronic Lung Infection. PLoS ONE, 2014, 9, e112105.	1.1	8
805	Inhibitors of Mycobacterium marinum virulence identified in a Dictyostelium discoideum host model. PLoS ONE, 2017, 12, e0181121.	1.1	26
806	Pseudomonas aeruginosa type three-secretion system as a target for development of antivirulence drugs. Molekuliarnaia Genetika, Mikrobiologiya i Virusologiya, 2020, 38, 3.	0.1	3
807	Lethal Mechanisms of Nostoc-Synthesized Silver Nanoparticles Against Different Pathogenic Bacteria. International Journal of Nanomedicine, 2020, Volume 15, 10499-10517.	3.3	13
808	High-Throughput Screening Strategies for the Development of Anti-Virulence Inhibitors Against Staphylococcus aureus. Current Medicinal Chemistry, 2019, 26, 2297-2312.	1.2	13
809	Multiple Roles of Biosurfactants in Biofilms. Current Pharmaceutical Design, 2016, 22, 1429-1448.	0.9	56
810	The Role of HTS in Drug Discovery at the University of Michigan. Combinatorial Chemistry and High Throughput Screening, 2014, 17, 210-230.	0.6	8
811	Anti-Virulence Strategy against the Multidrug-Resistant Bacterial Pathogen Pseudomonas aeruginosa: Pseudolysin (Elastase B) as a Potential Druggable Target. Current Protein and Peptide Science, 2019, 20, 471-487.	0.7	16
812	Nitropropenyl Benzodioxole, An Anti-Infective Agent with Action as a Protein Tyrosine Phosphatase Inhibitor. Open Medicinal Chemistry Journal, 2014, 8, 1-16.	0.9	6
813	Low concentrations of local honey modulate Exotoxin A expression, and quorum sensing related virulence in drug-resistant recovered from infected burn wounds. Iranian Journal of Basic Medical Sciences, 2019, 22, 568-575.	1.0	7
814	Microbial Biofilms: Pathogenicity and Treatment Strategies. Pharmatutor, 2018, 6, 16.	0.4	6

#	ARTICLE	IF	CITATIONS
815	Structural Insight into the Substrate Gating Mechanism by <i>Staphylococcus aureus</i> Aldehyde Dehydrogenase. <i>CCS Chemistry</i> , 2020, 2, 946-954.	4.6	18
816	Isorhamnetin Attenuates <i>Staphylococcus aureus</i> -Induced Lung Cell Injury by Inhibiting Alpha-Hemolysin Expression. <i>Journal of Microbiology and Biotechnology</i> , 2016, 26, 596-602.	0.9	31
817	Unraveling Resistance Mechanisms against New Antimicrobials Using Transposon Mutagenesis. <i>Cloning & Transgenesis</i> , 2013, 02, .	0.1	2
818	Patents on antivirulence therapies. <i>World Journal of Pharmacology</i> , 2014, 3, 97.	1.3	3
819	Harbouring public good mutants within a pathogen population can increase both fitness and virulence. <i>ELife</i> , 2016, 5, .	2.8	21
820	Ultrasonically Propelled Micro€and Nanorobots. <i>Advanced Functional Materials</i> , 2022, 32, 2102265.	7.8	57
822	The Language. <i>SpringerBriefs in Food, Health and Nutrition</i> , 2012, , 1-19.	0.5	0
823	In vitro and in silico Approach to Evaluate the Urease and Collagenase Inhibitory Activity of <i>Embilica officinalis</i> Gaertn Fruit. <i>British Biotechnology Journal</i> , 2014, 4, 1088-1104.	0.4	0
827	The Effects of Environmental Conditions and External Treatments on Virulence of Foodborne Pathogens. , 2017, , 305-332.		0
828	ANTI-BIOFILM ACTIVITY OF FERMENTED SOYBEAN TEMPEH EXTRACTS AND FRACTIONS AGAINST ORAL PRIMARY COLONIZER BACTERIA. , 0, , .		1
830	Significance of Quorum Sensing and Biofilm Formation in Medicine and Veterinary Sciences. , 2019, , 87-99.		0
833	Biofilm Formation of <i>Acinetobacter baumannii</i> Under in vitro and in vivo Colistin Exposure. <i>Infectious Diseases and Clinical Microbiology</i> , 2019, 1, 26-33.	0.1	0
835	Effects of <i>Myroxylon peruiferum</i> L. f. organic extracts in planktonic growth and <i>Ralstonia solanacearum</i> biofilm formation. <i>Journal of Environmental Analysis and Progress</i> , 0, , 180-186.	0.0	0
837	Evolution of human diseases. <i>International Journal of Applied Biology</i> , 2020, 4, 52-67.	0.3	1
839	Structural Study of Bacterial Pili for Development of the Anti-Adhesive Agent. <i>Nihon Kessho Gakkaishi</i> , 2020, 62, 139-140.	0.0	0
840	Rise of the Superbugs: What We Need to Know. <i>Resonance</i> , 2021, 26, 1251-1266.	0.2	3
841	Anti-Virulence Properties of <i>Coridothymus capitatus</i> Essential Oil against <i>Pseudomonas aeruginosa</i> Clinical Isolates from Cystic Fibrosis Patients. <i>Microorganisms</i> , 2021, 9, 2257.	1.6	10
843	<i>Ozoroa insignis reticulata</i> (Baker f.) R. Fern. & A. Fern. Root Extract Inhibits the Production of Extracellular Proteases by <i>Staphylococcus aureus</i> . <i>Biochemistry Research International</i> , 2021, 2021, 1-8.	1.5	0

#	ARTICLE	IF	CITATIONS
844	Tri-functional SERS nanoplatfom with tunable plasmonic property for synergistic antibacterial activity and antibacterial process monitoring. Journal of Colloid and Interface Science, 2022, 608, 2266-2277.	5.0	9
845	Functional Insights of MraZ on the Pathogenicity of Staphylococcus aureus. Infection and Drug Resistance, 2021, Volume 14, 4539-4551.	1.1	8
846	Union Is Strength: Target-Based and Whole-Cell High-Throughput Screens in Antibacterial Discovery. Journal of Bacteriology, 2022, 204, JB0047721.	1.0	6
847	Therapeutic Aspects of Quorum Sensing Inhibitory Molecules. ACS Symposium Series, 2020, , 251-275.	0.5	0
848	Potential Target Sites that Are Affected by Antimicrobial Surfaces. Materials Horizons, 2020, , 33-63.	0.3	1
849	A Pangenomic Perspective on the Emergence, Maintenance, and Predictability of Antibiotic Resistance. , 2020, , 169-202.		5
851	Combining Colistin with Furanone C-30 Rescues Colistin Resistance of Gram-Negative Bacteria <i>in Vitro</i> and <i>in Vivo</i> . Microbiology Spectrum, 2021, 9, e0123121.	1.2	20
854	Helianthus annuus YapraklarÄ±n Önfeksiyon veya Dekoksiyon Azalticileri: Pseudomonas aeruginosaâ€™n QS Sistemi ve Biyofilm Oluşumu Açzerine Potansiyel İnhibitörler. International Journal of Advances in Engineering and Pure Sciences, 0, , .	0.2	0
855	Prediction of Burkholderia pseudomallei DsbA substrates identifies potential virulence factors and vaccine targets. PLoS ONE, 2020, 15, e0241306.	1.1	5
856	Aeromonas hydrophila SuşularÄ±n Antibiyotik Direnç Profilleri. Acta Aquatica Turcica, 0, , .	0.2	1
858	evaluation of antibacterial activity of verbascoside, lemon verbena extract and caffeine in combination with gentamicin against drug-resistant and clinical isolates. Avicenna Journal of Phytomedicine, 2018, 8, 246-253.	0.1	20
859	Capsaicin inhibitory effects on toxin genes expression. Avicenna Journal of Phytomedicine, 2019, 9, 187-194.	0.1	2
860	Growing emergence of drug-resistant and attenuation of its virulence using quorum sensing inhibitors: A critical review. Iranian Journal of Basic Medical Sciences, 2021, 24, 699-719.	1.0	3
861	Microbial Efflux Pump Inhibitors: A Journey around Quinoline and Indole Derivatives. Molecules, 2021, 26, 6996.	1.7	14
862	Therapeutic Effects of Inhibitor of ompA Expression against Carbapenem-Resistant Acinetobacter baumannii Strains. International Journal of Molecular Sciences, 2021, 22, 12257.	1.8	8
863	Substrate-Inspired fragment merging and growing affords efficacious LasB inhibitors. Angewandte Chemie, 0, , .	1.6	0
864	Substrate-Inspired Fragment Merging and Growing Affords Efficacious LasB Inhibitors. Angewandte Chemie - International Edition, 2022, 61, .	7.2	13
865	Original Contributions to the Chemical Composition, Microbicidal, Virulence-Arresting and Antibiotic-Enhancing Activity of Essential Oils from Four Coniferous Species. Pharmaceuticals, 2021, 14, 1159.	1.7	10

#	ARTICLE	IF	CITATIONS
866	Structural and Functional Analysis of SsaV Cytoplasmic Domain and Variable Linker States in the Context of the InvA-SsaV Chimeric Protein. <i>Microbiology Spectrum</i> , 2021, 9, e0125121.	1.2	5
867	Bacterial virulence factors: a target for heterocyclic compounds to combat bacterial resistance. <i>RSC Advances</i> , 2021, 11, 36459-36482.	1.7	13
868	Bacteria and bacterial derivatives as delivery carriers for immunotherapy. <i>Advanced Drug Delivery Reviews</i> , 2022, 181, 114085.	6.6	32
869	Multidrug resistance crisis during COVID-19 pandemic: Role of anti-microbial peptides as next-generation therapeutics. <i>Colloids and Surfaces B: Biointerfaces</i> , 2022, 211, 112303.	2.5	19
870	Repurposing β -Adrenoreceptor Blockers as Promising Anti-Virulence Agents in Gram-Negative Bacteria. <i>Antibiotics</i> , 2022, 11, 178.	1.5	20
871	<i>Pseudomonas aeruginosa</i> Biofilm Dispersion by the Human Atrial Natriuretic Peptide. <i>Advanced Science</i> , 2022, 9, e2103262.	5.6	20
872	Challenges and opportunities for cheat therapy in the control of bacterial infections. <i>Natural Product Reports</i> , 2022, 39, 325-334.	5.2	1
873	Synthesis and Biological Evaluation of Benzo[b]thiophene Acylhydrazones as Antimicrobial Agents against Multidrug-Resistant <i>Staphylococcus aureus</i> . <i>Biomolecules</i> , 2022, 12, 131.	1.8	6
874	Inhibition of Collagenase Q1 of <i>Bacillus cereus</i> as a Novel Antivirulence Strategy for the Treatment of Skin Wound Infections. <i>Advanced Therapeutics</i> , 2022, 5, 2100222.	1.6	4
875	Computational and Biological Evaluation of β -Adrenoreceptor Blockers as Promising Bacterial Anti-Virulence Agents. <i>Pharmaceuticals</i> , 2022, 15, 110.	1.7	32
876	Tannic Acid Inhibits <i>Salmonella enterica</i> Serovar Typhimurium Infection by Targeting the Type III Secretion System. <i>Frontiers in Microbiology</i> , 2021, 12, 784926.	1.5	4
877	Hibiscus Acid from <i>Hibiscus sabdariffa</i> L. Inhibits Flagellar Motility and Cell Invasion in <i>Salmonella enterica</i> . <i>Molecules</i> , 2022, 27, 655.	1.7	3
878	Identification of natural DHFR inhibitors in MRSA strains: Structure-based drug design study. <i>Results in Chemistry</i> , 2022, 4, 100292.	0.9	7
879	The crafty opponent: the defense systems of <i>Staphylococcus aureus</i> and response measures. <i>Folia Microbiologica</i> , 2022, 67, 233-243.	1.1	1
880	Medicinal plants used as antidiarrheal agents in the lower Mekong basin. , 2022, , 235-265.		0
881	From Monographs to Chromatograms: The Antimicrobial Potential of <i>Inula helenium</i> L. (Elecampane) Naturalised in Ireland. <i>Molecules</i> , 2022, 27, 1406.	1.7	8
882	Five Plant Natural Products Are Potential Type III Secretion System Inhibitors to Effectively Control Soft-Rot Disease Caused by <i>Dickeya</i> . <i>Frontiers in Microbiology</i> , 2022, 13, 839025.	1.5	7
883	Effect of UV irradiation on the linear and nonlinear optical properties of Erbium(III)-Tris(8-hydroxyquinolino) thin films: optoelectronic performance. <i>Physica Scripta</i> , 2022, 97, 055803.	1.2	4

#	ARTICLE	IF	CITATIONS
884	Quercetin Reduces the Virulence of <i>S. aureus</i> by Targeting ClpP to Protect Mice from MRSA-Induced Lethal Pneumonia. <i>Microbiology Spectrum</i> , 2022, 10, e0234021.	1.2	13
885	Broad-spectrum and powerful neutralization of bacterial toxins by erythroliposomes with the help of macrophage uptake and degradation. <i>Acta Pharmaceutica Sinica B</i> , 2022, 12, 4235-4248.	5.7	8
886	CpxA Phosphatase Inhibitor Activates CpxRA and Is a Potential Treatment for Uropathogenic <i>Escherichia coli</i> in a Murine Model of Infection. <i>Microbiology Spectrum</i> , 2022, 10, e0243021.	1.2	2
887	Targeting the <i>Pseudomonas aeruginosa</i> Virulence Factor Phospholipase C With Engineered Liposomes. <i>Frontiers in Microbiology</i> , 2022, 13, 867449.	1.5	2
888	Terazosin Interferes with Quorum Sensing and Type Three Secretion System and Diminishes the Bacterial Espionage to Mitigate the <i>Salmonella Typhimurium</i> Pathogenesis. <i>Antibiotics</i> , 2022, 11, 465.	1.5	28
889	Amentoflavone attenuates <i>Listeria monocytogenes</i> pathogenicity through an LLO-dependent mechanism. <i>British Journal of Pharmacology</i> , 2022, 179, 3839-3858.	2.7	7
890	Identification of Antimotilins, Novel Inhibitors of <i>Helicobacter pylori</i> Flagellar Motility That Inhibit Stomach Colonization in a Mouse Model. <i>MBio</i> , 2022, 13, e0375521.	1.8	6
891	A Biophysical Study of Ru(II) Polypyridyl Complex, Properties and its Interaction with DNA. <i>Journal of Fluorescence</i> , 2022, , 1.	1.3	0
892	Quorum Quenching Strains Isolated from the Microbiota of Sea Anemones and Holothurians Attenuate <i>Vibriocorallilyticus</i> Virulence Factors and Reduce Mortality in <i>Artemiasalina</i> . <i>Microorganisms</i> , 2022, 10, 631.	1.6	7
893	Effects of Postbiotics and Paraprobiotics as Replacements for Antibiotics on Growth Performance, Carcass Characteristics, Small Intestine Histomorphology, Immune Status and Hepatic Growth Gene Expression in Broiler Chickens. <i>Animals</i> , 2022, 12, 917.	1.0	14
894	Inhibitory Effects of Cinnamaldehyde Derivatives on Biofilm Formation and Virulence Factors in <i>Vibrio</i> Species. <i>Pharmaceutics</i> , 2021, 13, 2176.	2.0	16
895	Identification of small molecules that strongly inhibit bacterial quorum sensing using a high-throughput lipid vesicle lysis assay. <i>Cell Chemical Biology</i> , 2022, 29, 605-614.e4.	2.5	6
897	Biodiversity of N-acyl homoserine lactonase (aiiA) gene from <i>Bacillus subtilis</i> . <i>Microbial Pathogenesis</i> , 2022, 166, 105543.	1.3	9
923	Structure-Based Design of $\hat{\pm}$ -Substituted Mercaptoacetamides as Inhibitors of the Virulence Factor LasB from <i>Pseudomonas aeruginosa</i> . <i>ACS Infectious Diseases</i> , 2022, 8, 1010-1021.	1.8	7
924	Efficacy of <i>Cordyceps militaris</i> Extracts against Some Skin Pathogenic Bacteria and Antioxidant Activity. <i>Journal of Fungi (Basel, Switzerland)</i> , 2022, 8, 327.	1.5	9
925	Inhibitory Effect of <i>Andrographis paniculata</i> Lactone on <i>Staphylococcus aureus</i> $\hat{\pm}$ -Hemolysin. <i>Frontiers in Pharmacology</i> , 2022, 13, 891943.	1.6	2
926	Control of vibriosis in shrimp through the management of the microbiota and the immune system. <i>Revista Bionatura</i> , 2022, 7, 1.	0.1	0
928	An iron-chelating sulfonamide identified from <i>Drosophila</i> -based screening for antipathogenic discovery. <i>Virulence</i> , 2022, 13, 833-843.	1.8	5

#	ARTICLE	IF	CITATIONS
929	Novel quinoline-based derivatives as the PqsR inhibitor against <i>Pseudomonas aeruginosa</i> PAO1. <i>Journal of Applied Microbiology</i> , 2022, 133, 2167-2181.	1.4	8
930	Inhibition of Virulence Gene Expression in <i>Salmonella</i> Dublin, <i>Escherichia coli</i> F5 and <i>Clostridium perfringens</i> Associated With Neonatal Calf Diarrhea by Factors Produced by Lactic Acid Bacteria During Fermentation of Cow Milk. <i>Frontiers in Microbiology</i> , 2022, 13, .	1.5	5
931	Isolation of <i>Enterococcus faecalis</i> pathogenic genes isolated from oral infection by the effect of ionic liquids based on amino acid and its expression by real-time PCR. <i>Folia Microbiologica</i> , 2022, , .	1.1	0
932	Anti-Quorum Sensing Activities of Gliptins against <i>Pseudomonas aeruginosa</i> and <i>Staphylococcus aureus</i> . <i>Biomedicines</i> , 2022, 10, 1169.	1.4	23
933	Sodium Citrate Alleviates Virulence in <i>Pseudomonas aeruginosa</i> . <i>Microorganisms</i> , 2022, 10, 1046.	1.6	19
934	A bottom-up view of antimicrobial resistance transmission in developing countries. <i>Nature Microbiology</i> , 2022, 7, 757-765.	5.9	83
935	Knocking down <i>Pseudomonas aeruginosa</i> virulence by oral hypoglycemic metformin nano emulsion. <i>World Journal of Microbiology and Biotechnology</i> , 2022, 38, .	1.7	4
936	Organic/polymeric antibiofilm coatings for surface modification of medical devices. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2023, 72, 867-908.	1.8	1
937	Inhibition of <i>Staphylococcus aureus</i> Biofilm Formation and Virulence Factor Production by Petroselinic Acid and Other Unsaturated C18 Fatty Acids. <i>Microbiology Spectrum</i> , 2022, 10, .	1.2	17
938	Recent advances in biomedical applications of bacterial outer membrane vesicles. <i>Journal of Materials Chemistry B</i> , 2022, 10, 7384-7396.	2.9	5
939	Antibacterial activity of cinnamon oil against multidrug-resistant foodborne pathogens and anti-quorum sensing potential. <i>Journal of the Hellenic Veterinary Medical Society</i> , 2022, 73, 3707-3714.	0.1	0
940	Computational approach confirming the therapeutic potential of selected mannose derivatives against fimH of Uropathogenic <i>E. coli</i> . <i>International Journal of Health Sciences</i> , 0, , 1203-1219.	0.0	0
941	Tailored Phenyl Esters Inhibit ClpXP and Attenuate <i>Staphylococcus aureus</i> Hemolysin Secretion. <i>ChemBioChem</i> , 2022, 23, .	1.3	7
942	Antivirulence Agent as an Adjuvant of β -Lactam Antibiotics in Treating Staphylococcal Infections. <i>Antibiotics</i> , 2022, 11, 819.	1.5	3
943	Cell membrane-coated nanoparticles for the treatment of bacterial infection. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2022, 14, .	3.3	16
944	Therapeutic Inhibition of <i>Staphylococcus aureus</i> ArlRS Two-Component Regulatory System Blocks Virulence. <i>Antimicrobial Agents and Chemotherapy</i> , 2022, 66, .	1.4	8
945	Novel silver metformin nano-structure to impede virulence of <i>Staphylococcus aureus</i> . <i>AMB Express</i> , 2022, 12, .	1.4	4
946	<i>Pseudomonas aeruginosa</i> : pathogenesis, virulence factors, antibiotic resistance, interaction with host, technology advances and emerging therapeutics. <i>Signal Transduction and Targeted Therapy</i> , 2022, 7, .	7.1	239

#	ARTICLE	IF	CITATIONS
947	Curvularin Isolated From <i>Phoma macrostoma</i> Is an Antagonist of RhlR Quorum Sensing in <i>Pseudomonas aeruginosa</i> . <i>Frontiers in Microbiology</i> , 0, 13, .	1.5	1
948	Exploring the chemical space around N-(5-nitrothiazol-2-yl)-1,2,3-thiadiazole-4-carboxamide, a hit compound with serine acetyltransferase (SAT) inhibitory properties. <i>Results in Chemistry</i> , 2022, 4, 100443.	0.9	0
949	Nano-Formulation Endows Quorum Quenching Enzyme-Antibiotic Hybrids with Improved Antibacterial and Antibiofilm Activities against <i>Pseudomonas aeruginosa</i> . <i>International Journal of Molecular Sciences</i> , 2022, 23, 7632.	1.8	9
950	Luteolin Binds Streptolysin O Toxin and Inhibits Its Hemolytic Effects and Cytotoxicity. <i>Frontiers in Pharmacology</i> , 0, 13, .	1.6	3
951	Adaptation of the methyl thiazole tetrazolium (MTT) reduction assay to measure cell viability in <i>Vibrio</i> spp.. <i>Aquaculture</i> , 2022, 560, 738568.	1.7	4
952	<i>Pseudomonas aeruginosa</i> clinical blood isolates display significant phenotypic variability. <i>PLoS ONE</i> , 2022, 17, e0270576.	1.1	2
953	Virulence Factors of <i>Pseudomonas Aeruginosa</i> and Antivirulence Strategies to Combat Its Drug Resistance. <i>Frontiers in Cellular and Infection Microbiology</i> , 0, 12, .	1.8	61
954	Uncovering the efficacy and mechanisms of Genkwa flos and bioactive ingredient genkwanin against <i>L. monocytogenes</i> infection. <i>Journal of Ethnopharmacology</i> , 2022, 297, 115571.	2.0	2
955	Phytochemicals as Antimicrobial Agents. <i>Advances in Medical Diagnosis, Treatment, and Care</i> , 2022, , 211-245.	0.1	0
956	The Structures and Binding Modes of Small-Molecule Inhibitors of <i>Pseudomonas aeruginosa</i> Elastase LasB. <i>Antibiotics</i> , 2022, 11, 1060.	1.5	3
957	Thymol as an Adjuvant to Restore Antibiotic Efficacy and Reduce Antimicrobial Resistance and Virulence Gene Expression in Enterotoxigenic <i>Escherichia coli</i> Strains. <i>Antibiotics</i> , 2022, 11, 1073.	1.5	5
959	Hibifolin, a Natural Sortase A Inhibitor, Attenuates the Pathogenicity of <i>Staphylococcus aureus</i> and Enhances the Antibacterial Activity of Cefotaxime. <i>Microbiology Spectrum</i> , 2022, 10, .	1.2	9
960	Synergistic gentamicin-photodynamic therapy against resistant bacteria in burn wound infections. <i>Photodiagnosis and Photodynamic Therapy</i> , 2022, 39, 103034.	1.3	6
961	Harmine, an inhibitor of the type III secretion system of <i>Salmonella enterica</i> serovar Typhimurium. <i>Frontiers in Cellular and Infection Microbiology</i> , 0, 12, .	1.8	6
962	Quorum Quenching Enzymes: A Potent Alternative to Conventional Antibiotics. , 2022, , 57-81.		0
963	ESKAPE Pathogens: Looking at Clp ATPases as Potential Drug Targets. <i>Antibiotics</i> , 2022, 11, 1218.	1.5	5
964	Extraction, characterization of bioactive compounds and biological activities of the leaves of <i>Podocarpus lambertii</i> Klotzch ex Endl. <i>Journal of Applied Research on Medicinal and Aromatic Plants</i> , 2022, 31, 100427.	0.9	6
965	Novel Insights on Pyoverdine: From Biosynthesis to Biotechnological Application. <i>International Journal of Molecular Sciences</i> , 2022, 23, 11507.	1.8	8

#	ARTICLE	IF	CITATIONS
966	Structural Basis of Peptide-Based Antimicrobial Inhibition of a Resistance-Nodulation-Cell Division Multidrug Efflux Pump. <i>Microbiology Spectrum</i> , 2022, 10, .	1.2	9
967	Antibiofilm agents with therapeutic potential against enteroaggregative <i>Escherichia coli</i> . <i>PLoS Neglected Tropical Diseases</i> , 2022, 16, e0010809.	1.3	0
968	Hydroquinones Including Tetrachlorohydroquinone Inhibit <i>Candida albicans</i> Biofilm Formation by Repressing Hyphae-Related Genes. <i>Microbiology Spectrum</i> , 2022, 10, .	1.2	5
969	Heterologously secreted MbxA from <i>Moraxella bovis</i> induces a membrane blebbing response of the human host cell. <i>Scientific Reports</i> , 2022, 12, .	1.6	2
970	Characterization of the Anti-Biofilm and Anti-Quorum Sensing Activities of the β_2 -Adrenoreceptor Antagonist Atenolol against Gram-Negative Bacterial Pathogens. <i>International Journal of Molecular Sciences</i> , 2022, 23, 13088.	1.8	23
971	Small-molecule compound SYG-180-2-2 attenuates <i>Staphylococcus aureus</i> virulence by inhibiting hemolysin and staphyloxanthin production. <i>Frontiers in Cellular and Infection Microbiology</i> , 0, 12, .	1.8	3
972	Serratiopeptidase Affects the Physiology of <i>Pseudomonas aeruginosa</i> Isolates from Cystic Fibrosis Patients. <i>International Journal of Molecular Sciences</i> , 2022, 23, 12645.	1.8	5
974	The Role of Virulence Factors in Neonatal Sepsis Caused by Enterobacterales: A Systematic Review. <i>International Journal of Molecular Sciences</i> , 2022, 23, 11930.	1.8	1
975	Bacterial envelope stress responses: Essential adaptors and attractive targets. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2023, 1870, 119387.	1.9	6
976	Synthesis and antibiofilm evaluation of N-acyl-2-aminopyrimidine derivatives against <i>Acinetobacter baumannii</i> . <i>Bioorganic and Medicinal Chemistry</i> , 2022, 76, 117095.	1.4	2
977	Anti-Virulence Potential of a Chionodracine-Derived Peptide against Multidrug-Resistant <i>Pseudomonas aeruginosa</i> Clinical Isolates from Cystic Fibrosis Patients. <i>International Journal of Molecular Sciences</i> , 2022, 23, 13494.	1.8	3
978	Targeting peptide-based quorum sensing systems for the treatment of gram-positive bacterial infections. <i>Peptide Science</i> , 2023, 115, .	1.0	5
979	Peptide Hybrid Analogs of the <i>Enterococcus faecalis</i> Fsr Auto-inducing Peptide (AIP) Reveal Crucial Structure-Activity Relationships. <i>ChemBioChem</i> , 0, , .	1.3	0
980	An inhibitory effect of schisandrone on β -hemolysin expression to combat methicillin-resistant <i>Staphylococcus aureus</i> infections. <i>World Journal of Microbiology and Biotechnology</i> , 2023, 39, .	1.7	0
981	Development of new spiro[1,3]dithiine-4,11 ² -indeno[1,2-b]quinoxaline derivatives as <i>S. aureus</i> Sortase A inhibitors and radiosterilization with molecular modeling simulation. <i>Bioorganic Chemistry</i> , 2023, 131, 106307.	2.0	15
982	Research Progress on Small Molecular Inhibitors of the Type 3 Secretion System. <i>Molecules</i> , 2022, 27, 8348.	1.7	0
983	The protection effect of rhodionin against methicillin-resistant <i>Staphylococcus aureus</i> -induced pneumonia through sortase A inhibition. <i>World Journal of Microbiology and Biotechnology</i> , 2023, 39, .	1.7	5
984	Configuration-Specific Antibody for Bacterial Heptosylation: An Antiadhesion Therapeutic Strategy. <i>Journal of the American Chemical Society</i> , 2023, 145, 322-333.	6.6	1

#	ARTICLE	IF	CITATIONS
985	Staphylococcal protein A modulates inflammation by inducing interferon signaling in human nasal epithelial cells. <i>Inflammation Research</i> , 2023, 72, 251-262.	1.6	1
986	Discovery of New Microbial Collagenase Inhibitors. <i>Life</i> , 2022, 12, 2114.	1.1	1
987	Resveratrol Increases Sensitivity of Clinical Colistin-Resistant <i>Pseudomonas aeruginosa</i> to Colistin <i>In Vitro</i> and <i>In Vivo</i> . <i>Microbiology Spectrum</i> , 2023, 11, .	1.2	5
988	Moonlighting chaperone activity of the enzyme PqsE contributes to RhlR-controlled virulence of <i>Pseudomonas aeruginosa</i> . <i>Nature Communications</i> , 2022, 13, .	5.8	14
989	Pdif-mediated antibiotic resistance genes transfer in bacteria identified by pdifFinder. <i>Briefings in Bioinformatics</i> , 0, , .	3.2	3
991	Targeting bacterial pathogenesis by inhibiting virulence-associated Type III and Type IV secretion systems. <i>Frontiers in Cellular and Infection Microbiology</i> , 0, 12, .	1.8	4
992	Towards Translation of PqsR Inverse Agonists: From In Vitro Efficacy Optimization to In Vivo Proof-of-Principle. <i>Advanced Science</i> , 2023, 10, .	5.6	7
993	Microbial Genomics: Innovative Targets and Mechanisms. <i>Antibiotics</i> , 2023, 12, 190.	1.5	1
994	Exploring Oceans for Curative Compounds: Potential New Antimicrobial and Anti-Virulence Molecules against <i>Pseudomonas aeruginosa</i> . <i>Marine Drugs</i> , 2023, 21, 9.	2.2	0
995	The Cell Wall, Cell Membrane and Virulence Factors of <i>Staphylococcus aureus</i> and Their Role in Antibiotic Resistance. <i>Microorganisms</i> , 2023, 11, 259.	1.6	15
996	Development of a smart pH-responsive nano-polymer drug, 2-methoxy-4-vinylphenol conjugate against the intestinal pathogen, <i>Vibrio cholerae</i> . <i>Scientific Reports</i> , 2023, 13, .	1.6	6
997	Secretory proteins in the orchestration of microbial virulence: The curious case of <i>Staphylococcus aureus</i> . <i>Advances in Protein Chemistry and Structural Biology</i> , 2023, , 271-350.	1.0	2
998	The enzyme activity of sortase A is regulated by phosphorylation in <i>Staphylococcus aureus</i> . <i>Virulence</i> , 2023, 14, .	1.8	3
999	Better living through phytochemistry: Phytoavengins and reappraising the production-focused dichotomy for defensive phytochemicals. <i>Physiological and Molecular Plant Pathology</i> , 2023, 125, 101978.	1.3	6
1000	Nitric Oxide as a Signaling Molecule for Biofilm Formation and Dispersal in Mediated Electron Transfer Microbial Electrochemical Systems. <i>Journal of the Electrochemical Society</i> , 2023, 170, 045503.	1.3	2
1001	An in vitro study on the potential of selected South African plant extracts to prevent and treat bovine mastitis. <i>South African Journal of Botany</i> , 2023, 154, 98-107.	1.2	3
1002	Exploring the potential of phytochemicals and nanomaterial: A boon to antimicrobial treatment. <i>Medicine in Drug Discovery</i> , 2023, 17, 100151.	2.3	7
1003	New Inspiration of 1,3,4-Oxadiazole Agrochemical Candidates: Manipulation of a Type III Secretion System-Induced Bacterial Starvation Mechanism to Prevent Plant Bacterial Diseases. <i>Journal of Agricultural and Food Chemistry</i> , 2023, 71, 2804-2816.	2.4	4

#	ARTICLE	IF	CITATIONS
1004	Orally delivered single-domain antibodies against gastrointestinal pathogens. Trends in Biotechnology, 2023, 41, 875-886.	4.9	4
1005	The Role of Advanced Therapeutic Techniques to Combat Multi-drug Resistance. , 2023, , 29-55.		0
1006	Strategies to Combat Multidrug Resistance by Non-traditional Therapeutic Approaches. , 2023, , 57-78.		0
1007	Quorum Sensing as an Alternative Approach to Combatting Multidrug Resistance. , 2023, , 191-220.		1
1008	Protecting-Group-Free Synthesis of Meridianin Aâ€“G and Derivatives and Its Antibiofilm Evaluation. Journal of Organic Chemistry, 2023, 88, 3927-3934.	1.7	0
1009	Chromene-dihydropyrimidinone and xanthene-dihydropyrimidinone hybrids: design, synthesis, and antibacterial and antibiofilm activities. New Journal of Chemistry, 0, ,	1.4	1
1010	An Insight into MptpB Inhibitors as a Key Strategy to Treat MDR and XDRTuberculosis. Current Pharmaceutical Design, 2023, 29, 562-575.	0.9	1
1011	Biofilm ecology associated with dental caries: understanding of microbial interactions in oral communities leads to development of therapeutic strategies targeting cariogenic biofilms. Advances in Applied Microbiology, 2023, , 27-75.	1.3	3
1012	Analysis of the Presence of the Virulence and Regulation Genes from Staphylococcus aureus (S.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 4. Their Functions. International Journal of Environmental Research and Public Health, 2023, 20, 5155.	1.2	10
1013	Chemical and Biomolecular Insights into the <i>Staphylococcus aureus</i> Agr Quorum Sensing System: Current Progress and Ongoing Challenges. Israel Journal of Chemistry, 2023, 63, .	1.0	1
1014	Antibiotic resistance in Neisseria gonorrhoeae: broad-spectrum drug target identification using subtractive genomics. Genomics and Informatics, 2023, 21, e5.	0.4	1
1015	Evaluation of a new antiresistic strategy to manage antibiotic resistance. Journal of Global Antimicrobial Resistance, 2023, 33, 368-375.	0.9	0
1017	Plant Flavonoids as Reservoirs of Therapeutics against Microbial Virulence Traits: A Comprehensive Review Update. Current Pharmaceutical Design, 2023, 29, 914-927.	0.9	0
1018	Theaflavin Ameliorates Streptococcus suis-Induced Infection In Vitro and In Vivo. International Journal of Molecular Sciences, 2023, 24, 7442.	1.8	0
1019	Drug repositioning: doxazosin attenuates the virulence factors and biofilm formation in Gram-negative bacteria. Applied Microbiology and Biotechnology, 2023, 107, 3763-3778.	1.7	10
1020	Functional insights to the development of bioactive material for combating bacterial infections. Frontiers in Bioengineering and Biotechnology, 0, 11, .	2.0	4
1056	Histidinol dehydrogenase. , 2024, , 255-263.		0
1083	Quorum Sensing: A New Target for Anti-infective Drug Therapy. , 2023, , 250-281.		0

#	ARTICLE	IF	CITATIONS
1085	Design of antibacterial agents. , 2024, , 615-631.		0
1094	Strategies and Innovations in the Battle Against Antibiotic Resistance. Advances in Medical Diagnosis, Treatment, and Care, 2024, , 300-344.	0.1	0