

Zhenling Wang

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

1,126
citations

687363

13
h-index

526287

27
g-index

30
all docs

30
docs citations

30
times ranked

2471
citing authors

#	ARTICLE	IF	CITATIONS
1	A vaccine targeting the RBD of the S protein of SARS-CoV-2 induces protective immunity. <i>Nature</i> , 2020, 586, 572-577.	27.8	630
2	<i>In Vitro</i> and <i>In Vivo</i> Activities of Antimicrobial Peptides Developed Using an Amino Acid-Based Activity Prediction Method. <i>Antimicrobial Agents and Chemotherapy</i> , 2014, 58, 5342-5349.	3.2	84
3	Structure-Based Development of (1-(3- β -Mercaptopropanamido)methyl)boronic Acid Derived Broad-Spectrum, Dual-Action Inhibitors of Metallo- and Serine- β -lactamases. <i>Journal of Medicinal Chemistry</i> , 2019, 62, 7160-7184.	6.4	41
4	Discovery of a Teraryl Oxazolidinone Compound (S)-N-((3-(3-Fluoro-4-(4-(pyridin-2-yl)-1H-pyrazol-1-yl)phenyl)-2-oxooxazolidin-5-yl)methyl)acetamide Phosphate as a Novel Antimicrobial Agent with Enhanced Safety Profile and Efficacies. <i>Journal of Medicinal Chemistry</i> , 2015, 58, 6389-6409.	6.4	33
5	Efficacy of the novel oxazolidinone compound FYL-67 for preventing biofilm formation by <i>Staphylococcus aureus</i> . <i>Journal of Antimicrobial Chemotherapy</i> , 2014, 69, 3011-3019.	3.0	29
6	X-ray Irradiated Vaccine Confers protection against Pneumonia caused by <i>Pseudomonas Aeruginosa</i> . <i>Scientific Reports</i> , 2016, 6, 18823.	3.3	28
7	Efficacy of Antimicrobial Peptide DP7, Designed by Machine-Learning Method, Against Methicillin-Resistant <i>Staphylococcus aureus</i> . <i>Frontiers in Microbiology</i> , 2019, 10, 1175.	3.5	25
8	A novel in silico antimicrobial peptide DP7 combats MDR <i>Pseudomonas aeruginosa</i> and related biofilm infections. <i>Journal of Antimicrobial Chemotherapy</i> , 2020, 75, 3248-3259.	3.0	24
9	S19W, T27W, and N330Y mutations in ACE2 enhance SARS-CoV-2 S-RBD binding toward both wild-type and antibody-resistant viruses and its molecular basis. <i>Signal Transduction and Targeted Therapy</i> , 2021, 6, 343.	17.1	24
10	Cationic nanocarriers as potent adjuvants for recombinant S-RBD vaccine of SARS-CoV-2. <i>Signal Transduction and Targeted Therapy</i> , 2020, 5, 291.	17.1	22
11	Histones released by NETosis enhance the infectivity of SARS-CoV-2 by bridging the spike protein subunit 2 and sialic acid on host cells. , 2022, 19, 577-587.		22
12	Type I IFN deficiency: an immunological characteristic of severe COVID-19 patients. <i>Signal Transduction and Targeted Therapy</i> , 2020, 5, 198.	17.1	21
13	Intranasal administration of a recombinant RBD vaccine induces long-term immunity against Omicron-included SARS-CoV-2 variants. <i>Signal Transduction and Targeted Therapy</i> , 2022, 7, 159.	17.1	21
14	Novel Lytic Phages Protect Cells and Mice against <i>Pseudomonas aeruginosa</i> Infection. <i>Journal of Virology</i> , 2021, 95, .	3.4	16
15	Hydrogen peroxide-inactivated bacteria induces potent humoral and cellular immune responses and releases nucleic acids. <i>International Immunopharmacology</i> , 2019, 69, 389-397.	3.8	14
16	Discovery of 3-aryl substituted benzoxaboroles as broad-spectrum inhibitors of serine- and metallo- β -lactamases. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2021, 41, 127956.	2.2	13
17	Carrier-free nanoassemblies of a novel oxazolidinone compound FYL-67 display antimicrobial activity on methicillin-resistant <i>Staphylococcus aureus</i> . <i>Nanoscale</i> , 2013, 5, 275-283.	5.6	12
18	Discovery of hybrids of indolin-2-one and nitroimidazole as potent inhibitors against drug-resistant bacteria. <i>Journal of Antibiotics</i> , 2018, 71, 887-897.	2.0	12

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19	Improving the pharmacokinetics and tissue distribution of pyrenezolid by self-assembled polymeric micelles. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 156, 149-156.	5.0	11
20	A novel inactivated whole-cell <i>Pseudomonas aeruginosa</i> vaccine that acts through the cGAS-STING pathway. <i>Signal Transduction and Targeted Therapy</i> , 2021, 6, 353.	17.1	10
21	Molecular basis of the lipid-induced MucA-MucB dissociation in <i>Pseudomonas aeruginosa</i> . <i>Communications Biology</i> , 2020, 3, 418.	4.4	8
22	Structure-guided optimization of 1H-imidazole-2-carboxylic acid derivatives affording potent VIM-Type metallo- β -lactamase inhibitors. <i>European Journal of Medicinal Chemistry</i> , 2022, 228, 113965.	5.5	8
23	Synthesis and antibacterial activity evaluation of C-5 side chain modified analogues of FYL-66, a potential agent against methicillin-resistant <i>Staphylococcus aureus</i> . <i>MedChemComm</i> , 2015, 6, 1156-1172.	3.4	4
24	Therapeutic Effect and Mechanisms of the Novel Monosulfactam 0073. <i>Antimicrobial Agents and Chemotherapy</i> , 2020, 64, .	3.2	4
25	Human-viral chimera: a novel protein affecting viral virulence and driving host T-cell immunity. <i>Signal Transduction and Targeted Therapy</i> , 2020, 5, 167.	17.1	2
26	The <i>in vivo</i> and <i>in vitro</i> phase I metabolism of FYL-67, a novel oxazolidinone antibacterial drug, studied by LC-MS/MS. <i>Drug Testing and Analysis</i> , 2016, 8, 976-984.	2.6	1
27	Chitosan utilized for bacterial preparation for scanning electron microscopy. <i>Microscopy Research and Technique</i> , 2022, 85, 1258-1266.	2.2	1
28	Combined effects of EGFR and hedgehog signaling blockade on inhibition of head and neck squamous cell carcinoma. <i>International Journal of Clinical and Experimental Pathology</i> , 2017, 10, 9816-9828.	0.5	0