

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 | 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 |
| 2 | Chitosan utilized for bacterial preparation for scanning electron microscopy. <i>Microscopy Research and Technique</i> , 2022, 85, 1258-1266. | 2.2 | 1 |
| 3 | 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 |
| 4 | 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 |
| 5 | Novel Lytic Phages Protect Cells and Mice against <i>Pseudomonas aeruginosa</i> Infection. <i>Journal of Virology</i> , 2021, 95, . | 3.4 | 16 |
| 6 | 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 |
| 7 | 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 |
| 8 | 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 |
| 9 | 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 |
| 10 | 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 |
| 11 | Molecular basis of the lipid-induced MucA-MucB dissociation in <i>Pseudomonas aeruginosa</i> . <i>Communications Biology</i> , 2020, 3, 418. | 4.4 | 8 |
| 12 | Therapeutic Effect and Mechanisms of the Novel Monosulfactam 0073. <i>Antimicrobial Agents and Chemotherapy</i> , 2020, 64, . | 3.2 | 4 |
| 13 | 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 |
| 14 | 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 |
| 15 | 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 |
| 16 | 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 |
| 17 | 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 |
| 18 | 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 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | 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 |
| 20 | 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 |
| 21 | 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 |
| 22 | 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 |
| 23 | X-ray Irradiated Vaccine Confers protection against Pneumonia caused by <i>Pseudomonas Aeruginosa</i> . <i>Scientific Reports</i> , 2016, 6, 18823. | 3.3 | 28 |
| 24 | 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 |
| 25 | 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 |
| 26 | 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 |
| 27 | <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 |
| 28 | 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 |