Yang Shen

List of Publications by Year
in descending order

34	2,193	304743	361022
papers	citations	22 h-index	35 g-index

41	41	41	2752
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	InlB-Dependent Internalization of Listeria Is Mediated by the Met Receptor Tyrosine Kinase. Cell, 2000, 103, 501-510.	28.9	477
2	Polyphenol-Binding Amyloid Fibrils Self-Assemble into Reversible Hydrogels with Antibacterial Activity. ACS Nano, 2018, 12, 3385-3396.	14.6	210
3	Reprogramming Bacteriophage Host Range through Structure-Guided Design of Chimeric Receptor Binding Proteins. Cell Reports, 2019, 29, 1336-1350.e4.	6.4	135
4	Evolutionarily distinct bacteriophage endolysins featuring conserved peptidoglycan cleavage sites protect mice from MRSA infection. Journal of Antimicrobial Chemotherapy, 2015, 70, 1453-1465.	3.0	122
5	Magnetically Driven Silverâ€Coated Nanocoils for Efficient Bacterial Contact Killing. Advanced Functional Materials, 2016, 26, 1063-1069.	14.9	118
6	Mobile Magnetic Nanocatalysts for Bioorthogonal Targeted Cancer Therapy. Advanced Functional Materials, 2018, 28, 1705920.	14.9	92
7	Rapid degradation of Streptococcus pyogenes biofilms by PlyC, a bacteriophage-encoded endolysin. Journal of Antimicrobial Chemotherapy, 2013, 68, 1818-1824.	3.0	88
8	X-ray crystal structure of the streptococcal specific phage lysin PlyC. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 12752-12757.	7.1	80
9	Phage resistance at the cost of virulence: Listeria monocytogenes serovar 4b requires galactosylated teichoic acids for InlB-mediated invasion. PLoS Pathogens, 2019, 15, e1008032.	4.7	78
10	Triple-acting Lytic Enzyme Treatment of Drug-Resistant and Intracellular Staphylococcus aureus. Scientific Reports, 2016, 6, 25063.	3.3	77
11	A hybrid sub-lineage of Listeria monocytogenes comprising hypervirulent isolates. Nature Communications, 2019, 10, 4283.	12.8	76
12	Biochemical and biophysical characterization of PlyGRCS, a bacteriophage endolysin active against methicillin-resistant Staphylococcus aureus. Applied Microbiology and Biotechnology, 2015, 99, 741-752.	3.6	66
13	A bacteriophage endolysin that eliminates intracellular streptococci. ELife, 2016, 5, .	6.0	64
14	Structural and functional diversity in Listeria cell wall teichoic acids. Journal of Biological Chemistry, 2017, 292, 17832-17844.	3.4	55
15	Targeting Hidden Pathogens: Cell-Penetrating Enzybiotics Eradicate Intracellular Drug-Resistant Staphylococcus aureus. MBio, 2020, 11, .	4.1	50
16	Ratiometric Fluorescence Detection of Pathogenic Bacteria Resistant to Broadâ€Spectrum Î²â€Lactam Antibiotics. Angewandte Chemie - International Edition, 2012, 51, 1865-1868.	13.8	46
17	Improved Biodistribution and Extended Serum Half-Life of a Bacteriophage Endolysin by Albumin Binding Domain Fusion. Frontiers in Microbiology, 2018, 9, 2927.	3.5	38
18	Structure and function of Listeria teichoic acids and their implications. Molecular Microbiology, 2020, 113, 627-637.	2.5	37

#	Article	IF	Citations
19	Light-mediated discovery of surfaceome nanoscale organization and intercellular receptor interaction networks. Nature Communications, 2021, 12, 7036.	12.8	33
20	Glycotyping and Specific Separation of Listeria monocytogenes with a Novel Bacteriophage Protein Tool Kit. Applied and Environmental Microbiology, 2020, 86, .	3.1	31
21	Beyond antibacterials â€“ exploring bacteriophages as antivirulence agents. Current Opinion in Biotechnology, 2021, 68, 166-173.	6.6	28
22	Mineralizationâ€Inspired Synthesis of Magnetic Zeolitic Imidazole Framework Composites. Angewandte Chemie - International Edition, 2019, 58, 13550-13555.	13.8	27
23	The absence of N-acetylglucosamine in wall teichoic acids of Listeria monocytogenes modifies biofilm architecture and tolerance to rinsing and cleaning procedures. PLoS ONE, 2018, 13, e0190879.	2.5	25
24	GtcA is required for LTA glycosylation in Listeria monocytogenes serovar 1/2a and Bacillus subtilis. Cell Surface, 2020, 6, 100038.	3.0	18
25	Engineering of Long-Circulating Peptidoglycan Hydrolases Enables Efficient Treatment of Systemic Staphylococcus aureus Infection. MBio, 2020, 11, .	4.1	17
26	Galactosylated wall teichoic acid, but not lipoteichoic acid, retains InlB on the surface of serovar 4b Listeria monocytogenes. Molecular Microbiology, 2020, 113, 638-649.	2.5	17
27	Determining Carbapenemase Activity with ¹⁸O Labeling and Targeted Mass Spectrometry. Analytical Chemistry, 2013, 85, 11014-11019.	6.5	14
28	Structural basis for recognition of bacterial cell wall teichoic acid by pseudo-symmetric SH3b-like repeats of a viral peptidoglycan hydrolase. Chemical Science, 2021, 12, 576-589.	7.4	11
29	A Proteogenomic Resource Enabling Integrated Analysis of Listeria Genotypeâ€“Proteotypeâ€“Phenotype Relationships. Journal of Proteome Research, 2020, 19, 1647-1662.	3.7	10
30	Whole Genome Sequence Analysis of Phage-Resistant Listeria monocytogenes Serotype 1/2a Strains from Turkey Processing Plants. Pathogens, 2021, 10, 199.	2.8	10
31	Bacillus subtilis YngB contributes to wall teichoic acid glucosylation and glycolipid formation during anaerobic growth. Journal of Biological Chemistry, 2021, 296, 100384.	3.4	10
32	Mineralizationâ€Inspired Synthesis of Magnetic Zeolitic Imidazole Framework Composites. Angewandte Chemie, 2019, 131, 13684-13689.	2.0	5
33	Genome Sequences of Five Nonvirulent Listeria monocytogenes Serovar 4 Strains. Genome Announcements, 2016, 4, .	0.8	4
34	Glucose Decoration on Wall Teichoic Acid Is Required for Phage Adsorption and InlB-Mediated Virulence in Listeria ivanovii. Journal of Bacteriology, 2021, 203, e0013621.	2.2	2