

Christopher Weidenmaier

List of Publications by Year in descending order

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48
papers

5,196
citations

159585

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206112

48
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53
docs citations

53
times ranked

6059
citing authors

#	ARTICLE	IF	CITATIONS
1	Staphylococcus epidermidis clones express Staphylococcus aureus-type wall teichoic acid to shift from a commensal to pathogen lifestyle. <i>Nature Microbiology</i> , 2021, 6, 757-768.	13.3	37
2	Revisiting the regulation of the capsular polysaccharide biosynthesis gene cluster in <i>Staphylococcus aureus</i> . <i>Molecular Microbiology</i> , 2019, 112, 1083-1099.	2.5	17
3	Function and regulation of Staphylococcus aureus wall teichoic acids and capsular polysaccharides. <i>International Journal of Medical Microbiology</i> , 2019, 309, 151333.	3.6	31
4	Langerhans Cells Sense <i>Staphylococcus aureus</i> Wall Teichoic Acid through Langerin To Induce Inflammatory Responses. <i>MBio</i> , 2019, 10, .	4.1	46
5	Proteolytic Degradation of reduced Human Beta Defensin 1 generates a Novel Antibiotic Octapeptide. <i>Scientific Reports</i> , 2019, 9, 3640.	3.3	20
6	Synthesis of a Novel Curcumin Derivative as a Potential Imaging Probe in Alzheimer's Disease Imaging. <i>Current Alzheimer Research</i> , 2019, 16, 723-731.	1.4	1
7	<i>Staphylococcus aureus</i> blocks insulin function. <i>Nature Microbiology</i> , 2018, 3, 533-534.	13.3	2
8	Release of <i>Staphylococcus aureus</i> extracellular vesicles and their application as a vaccine platform. <i>Nature Communications</i> , 2018, 9, 1379.	12.8	213
9	Analysis of <i>Staphylococcus aureus</i> wall teichoic acid glycoepitopes by Fourier Transform Infrared Spectroscopy provides novel insights into the staphylococcal glycode. <i>Scientific Reports</i> , 2018, 8, 1889.	3.3	24
10	Staphylococcal Enterotoxins Dose-Dependently Modulate the Generation of Myeloid-Derived Suppressor Cells. <i>Frontiers in Cellular and Infection Microbiology</i> , 2018, 8, 321.	3.9	17
11	A Novel Fluorescence-Labeled Curcumin Conjugate: Synthesis, Evaluation and Imaging on Human Cell Lines. <i>Current Pharmaceutical Design</i> , 2018, 24, 1821-1826.	1.9	3
12	Wall teichoic acids mediate increased virulence in <i>Staphylococcus aureus</i> . <i>Nature Microbiology</i> , 2017, 2, 16257.	13.3	81
13	The commensal lifestyle of <i>Staphylococcus aureus</i> and its interactions with the nasal microbiota. <i>Nature Reviews Microbiology</i> , 2017, 15, 675-687.	28.6	222
14	Entry, Intracellular Survival, and Multinucleated-Giant-Cell-Forming Activity of <i>Burkholderia pseudomallei</i> in Human Primary Phagocytic and Nonphagocytic Cells. <i>Infection and Immunity</i> , 2017, 85, .	2.2	50
15	Cell wall glycopolymers of Firmicutes and their role as nonprotein adhesins. <i>FEBS Letters</i> , 2016, 590, 3758-3771.	2.8	37
16	Human commensals producing a novel antibiotic impair pathogen colonization. <i>Nature</i> , 2016, 535, 511-516.	27.8	667
17	Glucose Augments Killing Efficiency of Daptomycin Challenged <i>Staphylococcus aureus</i> Persisters. <i>PLoS ONE</i> , 2016, 11, e0150907.	2.5	43
18	Chemosensitization of Prostate Carcinoma Cells with a Receptor-directed Smac Conjugate. <i>Medicinal Chemistry</i> , 2016, 12, 412-418.	1.5	1

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19	Fluorescein-labeled Bacitracin and Daptomycin Conjugates: Synthesis, Fluorescence Imaging and Evaluation. <i>Medicinal Chemistry</i> , 2016, 13, 57-64.	1.5	2
20	Phenotypic heterogeneity and temporal expression of the capsular polysaccharide in <i>Staphylococcus aureus</i> . <i>Molecular Microbiology</i> , 2015, 98, 1073-1088.	2.5	27
21	Wall Teichoic Acid Glycosylation Governs <i>Staphylococcus aureus</i> Nasal Colonization. <i>MBio</i> , 2015, 6, e00632.	4.1	84
22	Structure and Function of Surface Polysaccharides of <i>Staphylococcus aureus</i> . <i>Current Topics in Microbiology and Immunology</i> , 2015, 409, 57-93.	1.1	35
23	Analysis of a long-term outbreak of XDR <i>Pseudomonas aeruginosa</i> : a molecular epidemiological study. <i>Journal of Antimicrobial Chemotherapy</i> , 2015, 70, 1322-1330.	3.0	46
24	The Fall of a Dogma? Unexpected High T-Cell Memory Response to <i>Staphylococcus aureus</i> in Humans. <i>Journal of Infectious Diseases</i> , 2015, 212, 830-838.	4.0	97
25	Antibiotic Selection Pressure Determination through Sequence-Based Metagenomics. <i>Antimicrobial Agents and Chemotherapy</i> , 2015, 59, 7335-7345.	3.2	61
26	A Nasal Epithelial Receptor for <i>Staphylococcus aureus</i> WTA Governs Adhesion to Epithelial Cells and Modulates Nasal Colonization. <i>PLoS Pathogens</i> , 2014, 10, e1004089.	4.7	91
27	Nutrient Limitation Governs <i>Staphylococcus aureus</i> Metabolism and Niche Adaptation in the Human Nose. <i>PLoS Pathogens</i> , 2014, 10, e1003862.	4.7	166
28	Phenotypic and Genotypic Characterization of Daptomycin-Resistant Methicillin-Resistant <i>Staphylococcus aureus</i> Strains: Relative Roles of <i>mprF</i> and <i>dlt</i> Operons. <i>PLoS ONE</i> , 2014, 9, e107426.	2.5	105
29	<i>Staphylococcus aureus</i> subverts cutaneous defense by D-alanylation of teichoic acids. <i>Experimental Dermatology</i> , 2013, 22, 294-296.	2.9	31
30	Ultralarge von Willebrand Factor Fibers Mediate Luminal <i>Staphylococcus aureus</i> Adhesion to an Intact Endothelial Cell Layer Under Shear Stress. <i>Circulation</i> , 2013, 128, 50-59.	1.6	102
31	Increased Cell Wall Teichoic Acid Production and D-alanylation Are Common Phenotypes among Daptomycin-Resistant Methicillin-Resistant <i>Staphylococcus aureus</i> (MRSA) Clinical Isolates. <i>PLoS ONE</i> , 2013, 8, e67398.	2.5	86
32	<i>Staphylococcus aureus</i> determinants for nasal colonization. <i>Trends in Microbiology</i> , 2012, 20, 243-250.	7.7	127
33	Correlation of Daptomycin Resistance in a Clinical <i>Staphylococcus aureus</i> Strain with Increased Cell Wall Teichoic Acid Production and D-Alanylation. <i>Antimicrobial Agents and Chemotherapy</i> , 2011, 55, 3922-3928.	3.2	117
34	The Zwitterionic Cell Wall Teichoic Acid of <i>Staphylococcus aureus</i> Provokes Skin Abscesses in Mice by a Novel CD4+ T-Cell-Dependent Mechanism. <i>PLoS ONE</i> , 2010, 5, e13227.	2.5	32
35	Characterization of the Structure and Biological Functions of a Capsular Polysaccharide Produced by <i>Staphylococcus saprophyticus</i> . <i>Journal of Bacteriology</i> , 2010, 192, 4618-4626.	2.2	22
36	Wall Teichoic Acid Protects <i>Staphylococcus aureus</i> against Antimicrobial Fatty Acids from Human Skin. <i>Journal of Bacteriology</i> , 2009, 191, 4482-4484.	2.2	96

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37	Teichoic acids and related cell-wall glycopolymers in Gram-positive physiology and host interactions. <i>Nature Reviews Microbiology</i> , 2008, 6, 276-287.	28.6	633
38	Differential roles of sortase-anchored surface proteins and wall teichoic acid in <i>Staphylococcus aureus</i> nasal colonization. <i>International Journal of Medical Microbiology</i> , 2008, 298, 505-513.	3.6	87
39	Wall Teichoic Acid Deficiency in <i>Staphylococcus aureus</i> Confers Selective Resistance to Mammalian Group IIA Phospholipase A ₂ and Human β -Defensin 3. <i>Infection and Immunity</i> , 2008, 76, 2169-2176.	2.2	61
40	Influence of Wall Teichoic Acid on Lysozyme Resistance in <i>Staphylococcus aureus</i> . <i>Journal of Bacteriology</i> , 2007, 189, 280-283.	2.2	156
41	DltABCD-mediated d-alanylation of teichoic acids in Group A <i>Streptococcus</i> confers innate immune resistance. <i>International Congress Series</i> , 2006, 1289, 254-256.	0.2	0
42	DltABCD- and MprF-Mediated Cell Envelope Modifications of <i>Staphylococcus aureus</i> Confer Resistance to Platelet Microbicidal Proteins and Contribute to Virulence in a Rabbit Endocarditis Model. <i>Infection and Immunity</i> , 2005, 73, 8033-8038.	2.2	148
43	γ -Alanylation of Teichoic Acids Promotes Group A <i>Streptococcus</i> Antimicrobial Peptide Resistance, Neutrophil Survival, and Epithelial Cell Invasion. <i>Journal of Bacteriology</i> , 2005, 187, 6719-6725.	2.2	222
44	Lack of Wall Teichoic Acids in <i>Staphylococcus aureus</i> Leads to Reduced Interactions with Endothelial Cells and to Attenuated Virulence in a Rabbit Model of Endocarditis. <i>Journal of Infectious Diseases</i> , 2005, 191, 1771-1777.	4.0	207
45	Reply to "Nasal colonization by <i>Staphylococcus aureus</i> ". <i>Nature Medicine</i> , 2004, 10, 447-447.	30.7	4
46	Role of teichoic acids in <i>Staphylococcus aureus</i> nasal colonization, a major risk factor in nosocomial infections. <i>Nature Medicine</i> , 2004, 10, 243-245.	30.7	503
47	Bacterial Resistance to Antimicrobial Host Defenses - An Emerging Target for Novel Antiinfective Strategies?. <i>Current Drug Targets</i> , 2003, 4, 643-649.	2.1	92
48	<i>Staphylococcus aureus</i> Strains Lacking γ -Alanine Modifications of Teichoic Acids Are Highly Susceptible to Human Neutrophil Killing and Are Virulence Attenuated in Mice. <i>Journal of Infectious Diseases</i> , 2002, 186, 214-219.	4.0	220