

Richard Wheeler

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

1,254
citations

567281

15
h-index

839539

18
g-index

23
all docs

23
docs citations

23
times ranked

3951
citing authors

#	ARTICLE	IF	CITATIONS
1	The Immune Receptor NOD1 and Kinase RIP2 Interact with Bacterial Peptidoglycan on Early Endosomes to Promote Autophagy and Inflammatory Signaling. <i>Cell Host and Microbe</i> , 2014, 15, 623-635.	11.0	249
2	Cross-reactivity between tumor MHC class II-restricted antigens and an enterococcal bacteriophage. <i>Science</i> , 2020, 369, 936-942.	12.6	217
3	Peptidoglycan architecture can specify division planes in <i>Staphylococcus aureus</i> . <i>Nature Communications</i> , 2010, 1, 26.	12.8	114
4	Super-resolution microscopy reveals cell wall dynamics and peptidoglycan architecture in ovococcal bacteria. <i>Molecular Microbiology</i> , 2011, 82, 1096-1109.	2.5	111
5	Bacterial Cell Enlargement Requires Control of Cell Wall Stiffness Mediated by Peptidoglycan Hydrolases. <i>MBio</i> , 2015, 6, e00660.	4.1	83
6	<i>Lactobacillus paracasei</i> feeding improves immune control of influenza infection in mice. <i>PLoS ONE</i> , 2017, 12, e0184976.	2.5	76
7	Bacterial sensing via neuronal Nod2 regulates appetite and body temperature. <i>Science</i> , 2022, 376, eabj3986.	12.6	76
8	<i>Listeria monocytogenes</i> Is Resistant to Lysozyme through the Regulation, Not the Acquisition, of Cell Wall-Modifying Enzymes. <i>Journal of Bacteriology</i> , 2014, 196, 3756-3767.	2.2	58
9	The biology of bacterial peptidoglycans and their impact on host immunity and physiology. <i>Cellular Microbiology</i> , 2014, 16, 1014-1023.	2.1	52
10	LipL21 lipoprotein binding to peptidoglycan enables <i>Leptospira interrogans</i> to escape NOD1 and NOD2 recognition. <i>PLoS Pathogens</i> , 2017, 13, e1006725.	4.7	45
11	Bulgecin A: The Key to a Broad-Spectrum Inhibitor That Targets Lytic Transglycosylases. <i>Antibiotics</i> , 2017, 6, 8.	3.7	30
12	Uptake, recognition and responses to peptidoglycan in the mammalian host. <i>FEMS Microbiology Reviews</i> , 2021, 45, .	8.6	27
13	<i>Paenibacillus faecis</i> sp. nov., isolated from human faeces. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2015, 65, 4621-4626.	1.7	25
14	N-Deacetylases required for muramic- γ -lactam production are involved in <i>Clostridium difficile</i> sporulation, germination, and heat resistance. <i>Journal of Biological Chemistry</i> , 2018, 293, 18040-18054.	3.4	24
15	A step-by-step guide to bond cleavage and 1,6-anhydro-sugar product synthesis by a peptidoglycan-degrading lytic transglycosylase. <i>Journal of Biological Chemistry</i> , 2018, 293, 6000-6010.	3.4	18
16	Multifaceted modes of action of the anticancer probiotic <i>Enterococcus hirae</i> . <i>Cell Death and Differentiation</i> , 2021, 28, 2276-2295.	11.2	18
17	Peptidoglycan analysis reveals that synergistic deacetylase activity in vegetative <i>Clostridium difficile</i> impacts the host response. <i>Journal of Biological Chemistry</i> , 2020, 295, 16785-16796.	3.4	11
18	Peptidoglycan and Nod Receptor. , 2015, , 737-747.		9

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19	Defective lytic transglycosylase disrupts cell morphogenesis by hindering cell wall de-O-acetylation in <i>Neisseria meningitidis</i> . <i>ELife</i> , 2020, 9, .	6.0	7
20	Peptidoglycan and Nod Receptor. , 2014, , 1-10.		3
21	Study of the <i>cwaRS-ldcA</i> Operon Coding a Two-Component System and a Putative L,D-Carboxypeptidase in <i>Lactobacillus paracasei</i> . <i>Frontiers in Microbiology</i> , 2020, 11, 156.	3.5	0