

# RocÃ- o Canals

## List of Publications by Year in descending order

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Version: 2024-02-01

26  
papers

1,074  
citations

623734

14  
h-index

752698

20  
g-index

30  
all docs

30  
docs citations

30  
times ranked

1604  
citing authors

#	ARTICLE	IF	CITATIONS
1	An Infection-Relevant Transcriptomic Compendium for <i>Salmonella enterica</i> Serovar Typhimurium. <i>Cell Host and Microbe</i> , 2013, 14, 683-695.	11.0	427
2	<i>Salmonella</i> Persistence in Tomatoes Requires a Distinct Set of Metabolic Functions Identified by Transposon Insertion Sequencing. <i>Applied and Environmental Microbiology</i> , 2017, 83, .	3.1	78
3	Role of a single noncoding nucleotide in the evolution of an epidemic African clade of <i>Salmonella</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E2614-E2623.	7.1	75
4	Characterization of the Prophage Repertoire of African <i>Salmonella</i> Typhimurium ST313 Reveals High Levels of Spontaneous Induction of Novel Phage BTP1. <i>Frontiers in Microbiology</i> , 2017, 8, 235.	3.5	73
5	Stepwise evolution of <i>Salmonella</i> Typhimurium ST313 causing bloodstream infection in Africa. <i>Nature Microbiology</i> , 2021, 6, 327-338.	13.3	68
6	Adding function to the genome of African <i>Salmonella</i> Typhimurium ST313 strain D23580. <i>PLoS Biology</i> , 2019, 17, e3000059.	5.6	62
7	A <i>BTP</i> prophage gene present in invasive non-typhoidal <i>Salmonella</i> determines composition and length of the O-antigen of the lipopolysaccharide. <i>Molecular Microbiology</i> , 2015, 96, 263-275.	2.5	57
8	Structural Studies of the O-Chain Polysaccharide from <i>Plesiomonas shigelloides</i> Strain 302-73 (Serotype O1). <i>European Journal of Organic Chemistry</i> , 2008, 2008, 3149-3155.	2.4	26
9	High-throughput comparison of gene fitness among related bacteria. <i>BMC Genomics</i> , 2012, 13, 212.	2.8	26
10	A window into lysogeny: revealing temperate phage biology with transcriptomics. <i>Microbial Genomics</i> , 2020, 6, .	2.0	25
11	The fitness landscape of the African <i>Salmonella</i> Typhimurium ST313 strain D23580 reveals unique properties of the pBT1 plasmid. <i>PLoS Pathogens</i> , 2019, 15, e1007948.	4.7	20
12	Evasion of MAIT cell recognition by the African <i>Salmonella</i> Typhimurium ST313 pathovar that causes invasive disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 20717-20728.	7.1	20
13	The use of chicken and insect infection models to assess the virulence of African <i>Salmonella</i> Typhimurium ST313. <i>PLoS Neglected Tropical Diseases</i> , 2019, 13, e0007540.	3.0	19
14	Molecular and Chemical Analysis of the Lipopolysaccharide from <i>Aeromonas hydrophila</i> Strain AH-1 (Serotype O11). <i>Marine Drugs</i> , 2015, 13, 2233-2249.	4.6	18
15	Functional Genomics of the <i>Aeromonas salmonicida</i> Lipopolysaccharide O-Antigen and A-Layer from Typical and Atypical Strains. <i>Marine Drugs</i> , 2015, 13, 3791-3808.	4.6	16
16	The diversity, evolution and ecology of <i>Salmonella</i> in venomous snakes. <i>PLoS Neglected Tropical Diseases</i> , 2019, 13, e0007169.	3.0	16
17	Genetic variation in the MacAB-TolC efflux pump influences pathogenesis of invasive <i>Salmonella</i> isolates from Africa. <i>PLoS Pathogens</i> , 2020, 16, e1008763.	4.7	15
18	Hha has a defined regulatory role that is not dependent upon H-NS or StpA. <i>Frontiers in Microbiology</i> , 2015, 6, 773.	3.5	12

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19	The FUN of identifying gene function in bacterial pathogens; insights from Salmonella functional genomics. <i>Current Opinion in Microbiology</i> , 2013, 16, 643-651.	5.1	8
20	A <i>Cronobacter turicensis</i> O1 Antigen-Specific Monoclonal Antibody Inhibits Bacterial Motility and Entry into Epithelial Cells. <i>Infection and Immunity</i> , 2015, 83, 876-887.	2.2	8
21	Genomics of Salmonella Species. , 2011, , 171-235.		1
22	Global gene expression profiling of a virulent <i>Klebsiella pneumoniae</i> strain during pulmonary infection. <i>Access Microbiology</i> , 2019, 1, .	0.5	0
23	Identification of genes that contribute to fitness of African and Global clades of <i>Salmonella</i> Enteritidis during infection of macrophages. <i>Access Microbiology</i> , 2020, 2, .	0.5	0
24	Title is missing!. , 2019, 15, e1007948.		0
25	Title is missing!. , 2019, 15, e1007948.		0
26	Title is missing!. , 2019, 15, e1007948.		0