

# Anthony T Maurelli

## List of Publications by Year in descending order

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Version: 2024-02-01

41  
papers

1,607  
citations

394421

19  
h-index

377865

34  
g-index

43  
all docs

43  
docs citations

43  
times ranked

1875  
citing authors

#	ARTICLE	IF	CITATIONS
1	Black holes, antivirulence genes, and gene inactivation in the evolution of bacterial pathogens. <i>FEMS Microbiology Letters</i> , 2007, 267, 1-8.	1.8	124
2	Pathoadaptive Mutations That Enhance Virulence: Genetic Organization of the <i>cadA</i> Regions of <i>Shigella</i> spp. <i>Infection and Immunity</i> , 2001, 69, 7471-7480.	2.2	123
3	L,L-diaminopimelate aminotransferase, a trans-kingdom enzyme shared by <i>Chlamydia</i> and plants for synthesis of diaminopimelate/lysine. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 17909-17914.	7.1	121
4	Antivirulence Genes: Insights into Pathogen Evolution through Gene Loss. <i>Infection and Immunity</i> , 2012, 80, 4061-4070.	2.2	112
5	Temperature regulation of <i>Shigella</i> virulence: identification of the repressor gene <i>virR</i> , an analogue of <i>hns</i> , and partial complementation by tyrosyl transfer RNA (tRNA <sup>Tyr</sup> ). <i>Molecular Microbiology</i> , 1992, 6, 2113-2124.	2.5	108
6	A system for identifying post-invasion functions of invasion genes: requirements for the Mxi-Spa type III secretion pathway of <i>Shigella flexneri</i> in intercellular dissemination. <i>Molecular Microbiology</i> , 1999, 34, 675-689.	2.5	94
7	Pathogenic <i>Chlamydia</i> Lack a Classical Sacculus but Synthesize a Narrow, Mid-cell Peptidoglycan Ring, Regulated by <i>MreB</i> , for Cell Division. <i>PLoS Pathogens</i> , 2016, 12, e1005590.	4.7	86
8	Building the invisible wall: updating the chlamydial peptidoglycan anomaly. <i>Trends in Microbiology</i> , 2006, 14, 70-77.	7.7	84
9	Effect of O side-chain length and composition on the virulence of <i>Shigella flexneri</i> 2a. <i>Molecular Microbiology</i> , 1996, 22, 63-73.	2.5	82
10	<i>nadA</i> and <i>nadB</i> of <i>Shigella flexneri</i> 5a are antivirulence loci responsible for the synthesis of quinolinate, a small molecule inhibitor of <i>Shigella</i> pathogenicity. <i>Microbiology (United Kingdom)</i> , 2007, 153, 2363-2372.	1.8	71
11	Inhibition of <i>Shigella flexneri</i> -induced transepithelial migration of polymorphonuclear leucocytes by cadaverine. <i>Cellular Microbiology</i> , 1999, 1, 143-155.	2.1	56
12	Clinical Isolates of Shiga Toxin 1a <sup>+</sup> -Producing <i>Shigella flexneri</i> with an Epidemiological Link to Recent Travel to Hispaniola. <i>Emerging Infectious Diseases</i> , 2014, 20, 1669-1677.	4.3	56
13	Structural characterization of muropeptides from <i>Chlamydia trachomatis</i> peptidoglycan by mass spectrometry resolves a chlamydial anomaly. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 11660-11665.	7.1	55
14	Characterization of <i>Chlamydia</i> MurC-Ddl, a fusion protein exhibiting D-alanyl-D-alanine ligase activity involved in peptidoglycan synthesis and D-cycloserine sensitivity. <i>Molecular Microbiology</i> , 2005, 57, 41-52.	2.5	48
15	Promiscuous and Adaptable Enzymes Fill "Holes" in the Tetrahydrofolate Pathway in <i>Chlamydia</i> Species. <i>MBio</i> , 2014, 5, e01378-14.	4.1	47
16	Psychosocial health of school-aged children during the initial COVID-19 safer-at-home school mandates in Florida: a cross-sectional study. <i>BMC Public Health</i> , 2021, 21, 603.	2.9	44
17	Early MicroRNA Expression Profile as a Prognostic Biomarker for the Development of Pelvic Inflammatory Disease in a Mouse Model of Chlamydial Genital Infection. <i>MBio</i> , 2014, 5, e01241-14.	4.1	40
18	Investigating the Relatedness of Enteroinvasive <i>Escherichia coli</i> to Other <i>E. coli</i> and <i>Shigella</i> Isolates by Using Comparative Genomics. <i>Infection and Immunity</i> , 2016, 84, 2362-2371.	2.2	39

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19	Evolution of Bacterial Pathogens Within the Human Host. <i>Microbiology Spectrum</i> , 2016, 4, .	3.0	35
20	Fosmidomycin, an inhibitor of isoprenoid synthesis, induces persistence in <i>Chlamydia</i> by inhibiting peptidoglycan assembly. <i>PLoS Pathogens</i> , 2019, 15, e1008078.	4.7	22
21	Potential novel antibiotics from HTS targeting the virulence-regulating transcription factor, VirF, from <i>Shigella flexneri</i> . <i>Journal of Antibiotics</i> , 2014, 67, 379-386.	2.0	20
22	<i>Chlamydia trachomatis</i> <i>dapF</i> Encodes a Bifunctional Enzyme Capable of Both <i>d</i> -Glutamate Racemase and Diaminopimelate Epimerase Activities. <i>MBio</i> , 2018, 9, .	4.1	18
23	Wastewater surveillance for SARS-CoV-2 in a small coastal community: Effects of tourism on viral presence and variant identification among low prevalence populations. <i>Environmental Research</i> , 2022, 208, 112496.	7.5	16
24	<i>Chlamydial</i> MreB Directs Cell Division and Peptidoglycan Synthesis in <i>Escherichia coli</i> in the Absence of FtsZ Activity. <i>MBio</i> , 2020, 11, .	4.1	15
25	A DNA adenine methylase mutant of <i>Shigella flexneri</i> shows no significant attenuation of virulence. <i>Microbiology (United Kingdom)</i> , 2004, 150, 1073-1078.	1.8	14
26	Distribution and characterization of Shiga toxin converting temperate phages carried by <i>Shigella flexneri</i> in Hispaniola. <i>Infection, Genetics and Evolution</i> , 2018, 65, 321-328.	2.3	13
27	<i>Chlamydia trachomatis</i> Oligopeptide Transporter Performs Dual Functions of Oligopeptide Transport and Peptidoglycan Recycling. <i>Infection and Immunity</i> , 2020, 88, .	2.2	13
28	Stx-Producing <i>Shigella</i> Species From Patients in Haiti: An Emerging Pathogen With the Potential for Global Spread. <i>Open Forum Infectious Diseases</i> , 2015, 2, ofv134.	0.9	11
29	Phosphoproteomic analysis of the <i>Chlamydia caviae</i> elementary body and reticulate body forms. <i>Microbiology (United Kingdom)</i> , 2015, 161, 1648-1658.	1.8	10
30	Psychosocial Health of K-12 Students Engaged in Emergency Remote Education and In-Person Schooling: A Cross-Sectional Study. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 8564.	2.6	9
31	Black Holes and Antivirulence Genes: Selection for Gene Loss as Part of the Evolution of Bacterial Pathogens. , 0, , 109-122.		6
32	Requirement of the <i>Shigella flexneri</i> Virulence Plasmid in the Ability To Induce Trafficking of Neutrophils across Polarized Monolayers of the Intestinal Epithelium. <i>Infection and Immunity</i> , 1998, 66, 4237-4243.	2.2	3
33	What Is Motion? Recent Advances in the Study of Molecular Movement Patterns of the Peptidoglycan Synthesis Machines. <i>Journal of Bacteriology</i> , 2022, 204, JB0059821.	2.2	3
34	<i>Chlamydial</i> Variants Differ in Ability To Ascend the Genital Tract in the Guinea Pig Model of <i>Chlamydial</i> Genital Infection. <i>Infection and Immunity</i> , 2015, 83, 3176-3183.	2.2	2
35	Evolution of Bacterial Pathogens Within the Human Host. , 0, , 1-13.		2
36	Detection of SARS-CoV-2 in the gastrointestinal tract among patients with negative nasopharyngeal COVID-19 testing prior to endoscopy. <i>Endoscopy International Open</i> , 2021, 09, E1276-E1282.	1.8	2

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37	Evolution of bacterial pathogens. , 2006, , 30-56.		0
38	Chlamydia trachomatis Transports NAD via the Npt1 ATP/ADP Translocase. Journal of Bacteriology, 2014, 196, 2323-2323.	2.2	0
39	Erratum for Yeruva et al., Early MicroRNA Expression Profile as a Prognostic Biomarker for the Development of Pelvic Inflammatory Disease in a Mouse Model of Chlamydial Genital Infection. MBio, 2014, 5, .	4.1	0
40	Chlamydial Genetics: Decades of Effort, Very Recent Successes. , 0, , 334-351.		0
41	Competing Substrates for the Bifunctional Diaminopimelic Acid Epimerase/Glutamate Racemase Modulate Peptidoglycan Synthesis in Chlamydia trachomatis. Infection and Immunity, 2020, 89, .	2.2	0