

# Niles P Donegan

## List of Publications by Year in descending order

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Version: 2024-02-01

28  
papers

2,148  
citations

361413

20  
h-index

501196

28  
g-index

31  
all docs

31  
docs citations

31  
times ranked

2969  
citing authors

#	ARTICLE	IF	CITATIONS
1	Persister formation in <i>Staphylococcus aureus</i> is associated with ATP depletion. <i>Nature Microbiology</i> , 2016, 1, .	13.3	508
2	Heparin Stimulates <i>Staphylococcus aureus</i> Biofilm Formation. <i>Infection and Immunity</i> , 2005, 73, 4596-4606.	2.2	247
3	Confinement-induced quorum sensing of individual <i>Staphylococcus aureus</i> bacteria. <i>Nature Chemical Biology</i> , 2010, 6, 41-45.	8.0	189
4	Evaluation of a Tetracycline-Inducible Promoter in <i>Staphylococcus aureus</i> In Vitro and In Vivo and Its Application in Demonstrating the Role of sigB in Microcolony Formation. <i>Infection and Immunity</i> , 2001, 69, 7851-7857.	2.2	173
5	Proteolytic Regulation of Toxin-Antitoxin Systems by ClpPC in <i>Staphylococcus aureus</i> . <i>Journal of Bacteriology</i> , 2010, 192, 1416-1422.	2.2	105
6	Regulation of the mazEF Toxin-Antitoxin Module in <i>Staphylococcus aureus</i> and Its Impact on sigB Expression. <i>Journal of Bacteriology</i> , 2009, 191, 2795-2805.	2.2	94
7	Characterization of MazF Sa , an Endoribonuclease from <i>Staphylococcus aureus</i> . <i>Journal of Bacteriology</i> , 2007, 189, 8871-8879.	2.2	74
8	Overexpression of MazF Sa in <i>Staphylococcus aureus</i> Induces Bacteriostasis by Selectively Targeting mRNAs for Cleavage. <i>Journal of Bacteriology</i> , 2009, 191, 2051-2059.	2.2	73
9	<i>In Vivo</i> Bioluminescence Imaging To Evaluate Systemic and Topical Antibiotics against Community-Acquired Methicillin-Resistant <i>Staphylococcus aureus</i> -Infected Skin Wounds in Mice. <i>Antimicrobial Agents and Chemotherapy</i> , 2013, 57, 855-863.	3.2	73
10	Genetic Evidence for an Alternative Citrate-Dependent Biofilm Formation Pathway in <i>Staphylococcus aureus</i> That Is Dependent on Fibronectin Binding Proteins and the GraRS Two-Component Regulatory System. <i>Infection and Immunity</i> , 2008, 76, 2469-2477.	2.2	70
11	The Toxin-Antitoxin MazEF Drives <i>Staphylococcus aureus</i> Biofilm Formation, Antibiotic Tolerance, and Chronic Infection. <i>MBio</i> , 2019, 10, .	4.1	68
12	Noninvasive In Vivo Imaging to Evaluate Immune Responses and Antimicrobial Therapy against <i>Staphylococcus aureus</i> and USA300 MRSA Skin Infections. <i>Journal of Investigative Dermatology</i> , 2011, 131, 907-915.	0.7	63
13	Interspecies interactions induce exploratory motility in <i>Pseudomonas aeruginosa</i> . <i>ELife</i> , 2019, 8, .	6.0	56
14	Association of Acyl-CoA Synthetase-1 with GLUT4-containing Vesicles. <i>Journal of Biological Chemistry</i> , 1998, 273, 3132-3135.	3.4	53
15	Site-Specific Mutation of the Sensor Kinase GraS in <i>Staphylococcus aureus</i> Alters the Adaptive Response to Distinct Cationic Antimicrobial Peptides. <i>Infection and Immunity</i> , 2014, 82, 5336-5345.	2.2	41
16	Influences of $\beta$ and agr on expression of staphylococcal enterotoxin B (seb) in <i>Staphylococcus aureus</i> . <i>Canadian Journal of Microbiology</i> , 2004, 50, 351-360.	1.7	34
17	The GraS Sensor in <i>Staphylococcus aureus</i> Mediates Resistance to Host Defense Peptides Differing in Mechanisms of Action. <i>Infection and Immunity</i> , 2016, 84, 459-466.	2.2	33
18	Role of Adaptor TrfA and ClpPC in Controlling Levels of SsrA-Tagged Proteins and Antitoxins in <i>Staphylococcus aureus</i> . <i>Journal of Bacteriology</i> , 2014, 196, 4140-4151.	2.2	29

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19	Role of Purine Biosynthesis in Persistent Methicillin-Resistant <i>Staphylococcus aureus</i> Infection. <i>Journal of Infectious Diseases</i> , 2018, 218, 1367-1377.	4.0	29
20	Effect of <i>clpP</i> and <i>clpC</i> deletion on persister cell number in <i>Staphylococcus aureus</i> . <i>Journal of Medical Microbiology</i> , 2016, 65, 848-857.	1.8	24
21	Bypassing the Restriction System To Improve Transformation of <i>Staphylococcus epidermidis</i> . <i>Journal of Bacteriology</i> , 2017, 199, .	2.2	22
22	Improving Transformation of <i>Staphylococcus aureus</i> Belonging to the CC1, CC5 and CC8 Clonal Complexes. <i>PLoS ONE</i> , 2015, 10, e0119487.	2.5	20
23	The Stringent Response Contributes to Persistent Methicillin-Resistant <i>Staphylococcus aureus</i> Endovascular Infection Through the Purine Biosynthetic Pathway. <i>Journal of Infectious Diseases</i> , 2020, 222, 1188-1198.	4.0	19
24	CspA regulation of <i>Staphylococcus aureus</i> carotenoid levels and $\beta$ activity is controlled by YjbH and Spx. <i>Molecular Microbiology</i> , 2019, 112, 532-551.	2.5	16
25	The <i>Staphylococcus</i> -Specific Gene <i>rsr</i> Represses <i>agr</i> and Virulence in <i>Staphylococcus aureus</i> . <i>Infection and Immunity</i> , 2010, 78, 4384-4391.	2.2	14
26	Crystallization of the <i>Staphylococcus aureus</i> MazF mRNA interferase. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2011, 67, 386-389.	0.7	5
27	The <i>Staphylococcus aureus</i> toxin-antitoxin system YefM-YoeB is associated with antibiotic tolerance and extracellular dependent biofilm formation. <i>Journal of Bone and Joint Infection</i> , 2021, 6, 241-253.	1.5	5
28	Role of the <i>Staphylococcus aureus</i> Extracellular Loop of GraS in Resistance to Distinct Human Defense Peptides in PMN and Invasive Cardiovascular infections. <i>Infection and Immunity</i> , 2021, 89, e0034721.	2.2	5