

# Matthew L Nilles

## List of Publications by Citations

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39  
papers

1,672  
citations

17  
h-index

40  
g-index

41  
ext. papers

1,808  
ext. citations

3.5  
avg, IF

4.01  
L-index

#	Paper	IF	Citations
39	Genome sequence of <i>Yersinia pestis</i> KIM. <i>Journal of Bacteriology</i> , <b>2002</b> , 184, 4601-11	3.5	474
38	Bile salts and fatty acids induce the expression of <i>Escherichia coli</i> AcrAB multidrug efflux pump through their interaction with Rob regulatory protein. <i>Molecular Microbiology</i> , <b>2003</b> , 48, 1609-19	4.1	260
37	Resistance of <i>Yersinia pestis</i> to complement-dependent killing is mediated by the Ail outer membrane protein. <i>Infection and Immunity</i> , <b>2008</b> , 76, 612-22	3.7	122
36	Virulence role of V antigen of <i>Yersinia pestis</i> at the bacterial surface. <i>Infection and Immunity</i> , <b>1999</b> , 67, 5395-408	3.7	121
35	<i>Yersinia pestis</i> LcrV forms a stable complex with LcrG and may have a secretion-related regulatory role in the low-Ca <sup>2+</sup> response. <i>Journal of Bacteriology</i> , <b>1997</b> , 179, 1307-16	3.5	111
34	The MtrD protein of <i>Neisseria gonorrhoeae</i> is a member of the resistance/nodulation/division protein family constituting part of an efflux system. <i>Microbiology (United Kingdom)</i> , <b>1997</b> , 143 ( Pt 7), 2117-2125	2.9	92
33	The V antigen of <i>Yersinia pestis</i> regulates Yop vectorial targeting as well as Yop secretion through effects on YopB and LcrG. <i>Journal of Bacteriology</i> , <b>1998</b> , 180, 3410-20	3.5	86
32	LcrG-LcrV interaction is required for control of Yops secretion in <i>Yersinia pestis</i> . <i>Journal of Bacteriology</i> , <b>2001</b> , 183, 5082-91	3.5	77
31	Immunization of mice with YscF provides protection from <i>Yersinia pestis</i> infections. <i>BMC Microbiology</i> , <b>2005</b> , 5, 38	4.5	58
30	The mechanisms responsible for 2-dimensional pattern formation in bacterial macrofiber populations grown on solid surfaces: fiber joining and the creation of exclusion zones. <i>BMC Microbiology</i> , <b>2002</b> , 2, 1	4.5	33
29	Antiviral Biologic Produced in DNA Vaccine/Goose Platform Protects Hamsters Against Hantavirus Pulmonary Syndrome When Administered Post-exposure. <i>PLoS Neglected Tropical Diseases</i> , <b>2015</b> , 9, e0003803	4.8	32
28	A type III secretion system inhibitor targets YopD while revealing differential regulation of secretion in calcium-blind mutants of <i>Yersinia pestis</i> . <i>Antimicrobial Agents and Chemotherapy</i> , <b>2014</b> , 58, 839-50	5.9	28
27	Type III secretion needle proteins induce cell signaling and cytokine secretion via Toll-like receptors. <i>Infection and Immunity</i> , <b>2014</b> , 82, 2300-9	3.7	23
26	Structure-function analysis of the C-terminal domain of LcrV from <i>Yersinia pestis</i> . <i>Journal of Bacteriology</i> , <b>2007</b> , 189, 6734-9	3.5	22
25	Interaction of the <i>Yersinia pestis</i> type III regulatory proteins LcrG and LcrV occurs at a hydrophobic interface. <i>BMC Microbiology</i> , <b>2002</b> , 2, 16	4.5	21
24	Dengue virus specific IgY provides protection following lethal dengue virus challenge and is neutralizing in the absence of inducing antibody dependent enhancement. <i>PLoS Neglected Tropical Diseases</i> , <b>2017</b> , 11, e0005721	4.8	19
23	Roles of YopN, LcrG and LcrV in controlling Yops secretion by <i>Yersinia pestis</i> . <i>Advances in Experimental Medicine and Biology</i> , <b>2007</b> , 603, 225-34	3.6	17

22	The N terminus of type III secretion needle protein YscF from <i>Yersinia pestis</i> functions to modulate innate immune responses. <i>Infection and Immunity</i> , <b>2015</b> , 83, 1507-22	3.7	14
21	Zika Virus-Specific IgY Results Are Therapeutic Following a Lethal Zika Virus Challenge without Inducing Antibody-Dependent Enhancement. <i>Viruses</i> , <b>2019</b> , 11,	6.2	12
20	Necroptosis of infiltrated macrophages drives <i>Yersinia pestis</i> dispersal within buboes. <i>JCI Insight</i> , <b>2018</b> , 3,	9.9	12
19	LcrG secretion is not required for blocking of Yops secretion in <i>Yersinia pestis</i> . <i>BMC Microbiology</i> , <b>2008</b> , 8, 29	4.5	6
18	Identification of the Targets of Type III Secretion System Inhibitors. <i>Methods in Molecular Biology</i> , <b>2017</b> , 1531, 203-211	1.4	4
17	Resistance to <i>Yersinia pestis</i> infection decreases with age in B10.T(6R) mice. <i>Infection and Immunity</i> , <b>2011</b> , 79, 4438-46	3.7	4
16	Avian anti-NS1 IgY antibodies neutralize dengue virus infection and protect against lethal dengue virus challenge. <i>Antiviral Research</i> , <b>2020</b> , 183, 104923	10.8	4
15	In Vivo Photo-Cross-Linking to Study T3S Interactions Demonstrated Using the <i>Yersinia pestis</i> T3S System. <i>Methods in Molecular Biology</i> , <b>2017</b> , 1531, 47-60	1.4	2
14	Introduction to Type III Secretion Systems. <i>Methods in Molecular Biology</i> , <b>2017</b> , 1531, 1-10	1.4	2
13	Mouse Immunization with Purified Needle Proteins from Type III Secretion Systems and the Characterization of the Immune Response to These Proteins. <i>Methods in Molecular Biology</i> , <b>2017</b> , 1531, 193-201	1.4	2
12	Type III Secretion Systems95-114		2
11	Detection of Protein Interactions in T3S Systems Using Yeast Two-Hybrid Analysis. <i>Methods in Molecular Biology</i> , <b>2017</b> , 1531, 213-222	1.4	1
10	Inflammatory Mediators1-9		1
9	Modulation of Inflammatory Signaling Molecules in Antigen-Challenged Human Monocytes in Presence of Adrenergic Agonists.. <i>Vaccines</i> , <b>2022</b> , 10,	5.3	1
8	A Method for Characterizing the Type III Secretion System's Contribution to Pathogenesis: Homologous Recombination to Generate <i>Yersinia pestis</i> Type III Secretion System Mutants. <i>Methods in Molecular Biology</i> , <b>2017</b> , 1531, 155-164	1.4	
7	Blue Native Protein Electrophoresis to Study the T3S System Using <i>Yersinia pestis</i> as a Model. <i>Methods in Molecular Biology</i> , <b>2017</b> , 1531, 33-46	1.4	
6	Expression and Purification of N-Terminally His-Tagged Recombinant Type III Secretion Proteins. <i>Methods in Molecular Biology</i> , <b>2017</b> , 1531, 183-191	1.4	
5	Isolation of Type III Secretion System Needle Complexes by Shearing. <i>Methods in Molecular Biology</i> , <b>2017</b> , 1531, 61-70	1.4	

- 4 Analysis of Type III Secretion System Secreted Proteins. *Methods in Molecular Biology*, **2017**, 1531, 93-99 1.4
- 3 Gamma-irradiated pCD1- *Yersinia pestis* vaccine is protective: an anti-LcrV response is not necessary to protect against the plague. *FASEB Journal*, **2008**, 22, 859.13 0.9
- 2 Effect of HLA-DQ presentation on SEG/SEI superantigenic reactivity to a CD4+-mediated anti-tumor response devoid of autoimmune or allogeneic effects.. *Journal of Clinical Oncology*, **2016**, 34, e21047-e21047 2.2
- 1 Characterization of Prostanoids Response to *Bordetella pertussis* Antigen BscF and Tdap in LPS-challenged monocytes. *Prostaglandins Leukotrienes and Essential Fatty Acids*, **2022**, 102452 2.8