

# Matthew L Nilles

## List of Publications by Year in descending order

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Version: 2024-02-01

40  
papers

1,916  
citations

430874

18  
h-index

454955

30  
g-index

41  
all docs

41  
docs citations

41  
times ranked

1632  
citing authors

#	ARTICLE	IF	CITATIONS
1	Genome Sequence of <i>Yersinia pestis</i> KIM. <i>Journal of Bacteriology</i> , 2002, 184, 4601-4611.	2.2	534
2	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> , 2003, 48, 1609-1619.	2.5	301
3	Resistance of <i>Yersinia pestis</i> to Complement-Dependent Killing Is Mediated by the Ail Outer Membrane Protein. <i>Infection and Immunity</i> , 2008, 76, 612-622.	2.2	135
4	Virulence Role of V Antigen of <i>Yersinia pestis</i> at the Bacterial Surface. <i>Infection and Immunity</i> , 1999, 67, 5395-5408.	2.2	130
5	<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> , 1997, 179, 1307-1316.	2.2	129
6	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> , 1997, 143, 2117-2125.	1.8	103
7	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> , 1998, 180, 3410-3420.	2.2	96
8	LcrG-LcrV Interaction Is Required for Control of Yops Secretion in <i>Yersinia pestis</i> . <i>Journal of Bacteriology</i> , 2001, 183, 5082-5091.	2.2	81
9	Immunization of mice with YscF provides protection from <i>Yersinia pestis</i> infections. <i>BMC Microbiology</i> , 2005, 5, 38.	3.3	71
10	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> , 2002, 2, 1.	3.3	41
11	Antiviral Biologic Produced in DNA Vaccine/Goose Platform Protects Hamsters Against Hantavirus Pulmonary Syndrome When Administered Post-exposure. <i>PLoS Neglected Tropical Diseases</i> , 2015, 9, e0003803.	3.0	39
12	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> , 2014, 58, 839-850.	3.2	37
13	Type III Secretion Needle Proteins Induce Cell Signaling and Cytokine Secretion via Toll-Like Receptors. <i>Infection and Immunity</i> , 2014, 82, 2300-2309.	2.2	28
14	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> , 2017, 11, e0005721.	3.0	26
15	Interaction of the <i>Yersinia pestis</i> type III regulatory proteins LcrG and LcrV occurs at a hydrophobic interface. <i>BMC Microbiology</i> , 2002, 2, 16.	3.3	25
16	Structure-Function Analysis of the C-Terminal Domain of LcrV from <i>Yersinia pestis</i> . <i>Journal of Bacteriology</i> , 2007, 189, 6734-6739.	2.2	23
17	Necroptosis of infiltrated macrophages drives <i>Yersinia pestis</i> dispersal within buboes. <i>JCI Insight</i> , 2018, 3, .	5.0	22
18	Roles of YopN, LcrG and LcrV in Controlling Yops Secretion by <i>Yersinia pestis</i> . <i>Advances in Experimental Medicine and Biology</i> , 2007, 603, 225-234.	1.6	19

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19	Zika Virus-Specific IgY Results Are Therapeutic Following a Lethal Zika Virus Challenge without Inducing Antibody-Dependent Enhancement. <i>Viruses</i> , 2019, 11, 301.	3.3	17
20	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> , 2015, 83, 1507-1522.	2.2	14
21	Dissecting the Structure of LcrV from <i>Yersinia pestis</i> , a Truly Unique Virulence Protein. <i>Structure</i> , 2004, 12, 357-358.	3.3	9
22	LcrG secretion is not required for blocking of Yops secretion in <i>Yersinia pestis</i> . <i>BMC Microbiology</i> , 2008, 8, 29.	3.3	6
23	Resistance to <i>Yersinia pestis</i> Infection Decreases with Age in B10.T(6R) Mice. <i>Infection and Immunity</i> , 2011, 79, 4438-4446.	2.2	5
24	Identification of the Targets of Type III Secretion System Inhibitors. <i>Methods in Molecular Biology</i> , 2017, 1531, 203-211.	0.9	5
25	Avian anti-NS1 IgY antibodies neutralize dengue virus infection and protect against lethal dengue virus challenge. <i>Antiviral Research</i> , 2020, 183, 104923.	4.1	5
26	Introduction to Type III Secretion Systems. <i>Methods in Molecular Biology</i> , 2017, 1531, 1-10.	0.9	4
27	In Vivo Photo-Cross-Linking to Study T3S Interactions Demonstrated Using the <i>Yersinia pestis</i> T3S System. <i>Methods in Molecular Biology</i> , 2017, 1531, 47-60.	0.9	3
28	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> , 2017, 1531, 193-201.	0.9	2
29	Type III Secretion Systems. , 0, , 95-114.		2
30	Modulation of Inflammatory Signaling Molecules in <i>Bordetella pertussis</i> Antigen-Challenged Human Monocytes in Presence of Adrenergic Agonists. <i>Vaccines</i> , 2022, 10, 321.	4.4	2
31	Detection of Protein Interactions in T3S Systems Using Yeast Two-Hybrid Analysis. <i>Methods in Molecular Biology</i> , 2017, 1531, 213-222.	0.9	1
32	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> , 2017, 1531, 155-164.	0.9	0
33	Blue Native Protein Electrophoresis to Study the T3S System Using <i>Yersinia pestis</i> as a Model. <i>Methods in Molecular Biology</i> , 2017, 1531, 33-46.	0.9	0
34	Expression and Purification of N-Terminally His-Tagged Recombinant Type III Secretion Proteins. <i>Methods in Molecular Biology</i> , 2017, 1531, 183-191.	0.9	0
35	Isolation of Type III Secretion System Needle Complexes by Shearing. <i>Methods in Molecular Biology</i> , 2017, 1531, 61-70.	0.9	0
36	Analysis of Type III Secretion System Secreted Proteins. <i>Methods in Molecular Biology</i> , 2017, 1531, 93-99.	0.9	0

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37	Difference in Strain Pathogenicity of Septicemic <i>Yersinia pestis</i> Infection in a TLR2 <sup>+/+</sup> Mouse Model. <i>Infection and Immunity</i> , 2020, 88, .	2.2	0
38	Gamma-irradiated pCD1 <i>Yersinia pestis</i> vaccine is protective: an anti-LcrV response is not necessary to protect against the plague. <i>FASEB Journal</i> , 2008, 22, 859.13.	0.5	0
39	Effect of HLA-DQ presentation on SEG/SEI superantigenic reactivity to a CD4+-mediated anti-tumor response devoid of autoimmune or allogeneic effects.. <i>Journal of Clinical Oncology</i> , 2016, 34, e21047-e21047.	1.6	0
40	Characterization of Prostanoids Response to <i>Bordetella pertussis</i> Antigen BscF and Tdap in LPS-challenged monocytes. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2022, , 102452.	2.2	0