

Laura A Novotny

List of Publications by Year in descending order

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32
papers

1,232
citations

430874

18
h-index

414414

32
g-index

32
all docs

32
docs citations

32
times ranked

926
citing authors

#	ARTICLE	IF	CITATIONS
1	Biofilms can be dispersed by focusing the immune system on a common family of bacterial nucleoid-associated proteins. <i>Mucosal Immunology</i> , 2011, 4, 625-637.	6.0	187
2	The extracellular DNA lattice of bacterial biofilms is structurally related to Holliday junction recombination intermediates. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 25068-25077.	7.1	89
3	Structural Stability of Burkholderia cenocepacia Biofilms Is Reliant on eDNA Structure and Presence of a Bacterial Nucleic Acid Binding Protein. <i>PLoS ONE</i> , 2013, 8, e67629.	2.5	81
4	Monoclonal antibodies against DNA-binding tips of DNABII proteins disrupt biofilms in vitro and induce bacterial clearance in vivo. <i>EBioMedicine</i> , 2016, 10, 33-44.	6.1	76
5	Z-form extracellular DNA is a structural component of the bacterial biofilm matrix. <i>Cell</i> , 2021, 184, 5740-5758.e17.	28.9	69
6	Evaluation of the kinetics and mechanism of action of anti- ϵ -integration host factor-mediated disruption of bacterial biofilms. <i>Molecular Microbiology</i> , 2014, 93, 1246-1258.	2.5	68
7	Antibodies against the majority subunit of type IV pili disperse nontypeable <i>Haemophilus influenzae</i> biofilms in a LuxS-dependent manner and confer therapeutic resolution of experimental otitis media. <i>Molecular Microbiology</i> , 2015, 96, 276-292.	2.5	60
8	Nontypeable <i>Haemophilus influenzae</i> releases DNA and DNABII proteins via a T4SS-like complex and ComE of the type IV pilus machinery. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E6632-E6641.	7.1	55
9	Transcutaneous immunization as preventative and therapeutic regimens to protect against experimental otitis media due to nontypeable <i>Haemophilus influenzae</i> . <i>Mucosal Immunology</i> , 2011, 4, 456-467.	6.0	53
10	Epitope mapping immunodominant regions of the PilA protein of nontypeable <i>Haemophilus influenzae</i> (NTHi) to facilitate the design of two novel chimeric vaccine candidates. <i>Vaccine</i> , 2009, 28, 279-289.	3.8	52
11	Nontypeable <i>Haemophilus influenzae</i> (NTHi). <i>Trends in Microbiology</i> , 2018, 26, 727-728.	7.7	51
12	Epitope Mapping of the Outer Membrane Protein P5-Homologous Fimbrin Adhesin of Nontypeable <i>Haemophilus influenzae</i> . <i>Infection and Immunity</i> , 2000, 68, 2119-2128.	2.2	48
13	Kinetic analysis and evaluation of the mechanisms involved in the resolution of experimental nontypeable <i>Haemophilus influenzae</i> -induced otitis media after transcutaneous immunization. <i>Vaccine</i> , 2013, 31, 3417-3426.	3.8	45
14	Selection for Phase Variation of LOS Biosynthetic Genes Frequently Occurs in Progression of Non-Typeable <i>Haemophilus influenzae</i> Infection from the Nasopharynx to the Middle Ear of Human Patients. <i>PLoS ONE</i> , 2014, 9, e90505.	2.5	43
15	Antibodies against the Majority Subunit (PilA) of the Type IV Pilus of Nontypeable <i>Haemophilus influenzae</i> Disperse <i>Moraxella catarrhalis</i> from a Dual-Species Biofilm. <i>MBio</i> , 2018, 9, .	4.1	32
16	Redirecting the immune response towards immunoprotective domains of a DNABII protein resolves experimental otitis media. <i>Npj Vaccines</i> , 2019, 4, 43.	6.0	28
17	Transcutaneous Immunization with a Band-Aid Prevents Experimental Otitis Media in a Polymicrobial Model. <i>Vaccine Journal</i> , 2017, 24, .	3.1	26
18	Targeting a bacterial DNABII protein with a chimeric peptide immunogen or humanised monoclonal antibody to prevent or treat recalcitrant biofilm-mediated infections. <i>EBioMedicine</i> , 2020, 59, 102867.	6.1	26

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19	Nontypeable <i>Haemophilus influenzae</i> newly released (NRel) from biofilms by antibody-mediated dispersal versus antibody-mediated disruption are phenotypically distinct. <i>Biofilm</i> , 2020, 2, 100039.	3.8	20
20	Therapeutic Transcutaneous Immunization with a Band-Aid Vaccine Resolves Experimental Otitis Media. <i>Vaccine Journal</i> , 2015, 22, 867-874.	3.1	18
21	Differential Uptake and Processing of a <i>Haemophilus influenzae</i> P5-Derived Immunogen by Chinchilla Dendritic Cells. <i>Infection and Immunity</i> , 2008, 76, 967-977.	2.2	14
22	Humanized Anti-DNABII Fab Fragments Plus Ofloxacin Eradicated Biofilms in Experimental Otitis Media. <i>Laryngoscope</i> , 2021, 131, E2698-E2704.	2.0	13
23	The extracellular innate-immune effector HMGB1 limits pathogenic bacterial biofilm proliferation. <i>Journal of Clinical Investigation</i> , 2021, 131, .	8.2	11
24	Antibodies against the DNABII protein integration host factor (IHF) inhibit sinus implant biofilms. <i>Laryngoscope</i> , 2020, 130, 1364-1371.	2.0	10
25	Transcutaneous immunization with a nontypeable <i>Haemophilus influenzae</i> dual adhesin-directed immunogen induces durable and boostable immunity. <i>Vaccine</i> , 2020, 38, 2378-2386.	3.8	10
26	Panel 8: Vaccines and immunology. <i>International Journal of Pediatric Otorhinolaryngology</i> , 2020, 130, 109839.	1.0	9
27	Nontypeable <i>Haemophilus influenzae</i> Responds to Virus-Infected Cells with a Significant Increase in Type IV Pilus Expression. <i>MSphere</i> , 2020, 5, .	2.9	9
28	Immunization with a Biofilm-Disrupting Nontypeable <i>Haemophilus influenzae</i> Vaccine Antigen Did Not Alter the Gut Microbiome in Chinchillas, Unlike Oral Delivery of a Broad-Spectrum Antibiotic Commonly Used for Otitis Media. <i>MSphere</i> , 2020, 5, .	2.9	8
29	Review of Lambda Interferons in Hepatitis B Virus Infection: Outcomes and Therapeutic Strategies. <i>Viruses</i> , 2021, 13, 1090.	3.3	7
30	Panel 4: Report of the Microbiology Panel. <i>Otolaryngology - Head and Neck Surgery</i> , 2017, 156, S51-S62.	1.9	6
31	Australian Aboriginal Otitis-Prone Children Produce High-Quality Serum IgG to Putative Nontypeable <i>Haemophilus influenzae</i> Vaccine Antigens at Lower Titres Compared to Non-Aboriginal Children. <i>Frontiers in Cellular and Infection Microbiology</i> , 2022, 12, 767083.	3.9	5
32	Nontypeable <i>Haemophilus influenzae</i> Type IV Pilus Mediates Augmented Adherence to Rhinovirus-Infected Human Airway Epithelial Cells. <i>Infection and Immunity</i> , 2020, 88, .	2.2	3