

# Birgitta Henriques-Normark

## List of Publications by Year in descending order

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Version: 2024-02-01

96  
papers

4,560  
citations

81743

39  
h-index

114278

63  
g-index

101  
all docs

101  
docs citations

101  
times ranked

5707  
citing authors

#	ARTICLE	IF	CITATIONS
1	Chronic Disease and Immunosuppression Increase the Risk for Nonvaccine Serotype Pneumococcal Disease: A Nationwide Population-based Study. <i>Clinical Infectious Diseases</i> , 2022, 74, 1338-1349.	2.9	8
2	Enterobacteria impair host p53 tumor suppressor activity through mRNA destabilization. <i>Oncogene</i> , 2022, 41, 2173-2186.	2.6	4
3	Bacterial meningitis: Aetiology, risk factors, disease trends and severe sequelae during 50 years in Sweden. <i>Journal of Internal Medicine</i> , 2022, 292, 350-364.	2.7	8
4	Membrane particles evoke a serotype-independent cross-protection against pneumococcal infection that is dependent on the conserved lipoproteins MalX and PrsA. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	7
5	Biofilm interfacial acidity evaluation by pH-Responsive luminescent nanoparticle films. <i>Biosensors and Bioelectronics</i> , 2021, 171, 112732.	5.3	13
6	Experimental Model for Studies of Pneumococcal Colonization in Older Adults. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2021, 203, 539-540.	2.5	1
7	Clarithromycin impairs tissue-resident memory and Th17 responses to macrolide-resistant <i>Streptococcus pneumoniae</i> infections. <i>Journal of Molecular Medicine</i> , 2021, 99, 817-829.	1.7	4
8	Key considerations on the potential impacts of the COVID-19 pandemic on antimicrobial resistance research and surveillance. <i>Transactions of the Royal Society of Tropical Medicine and Hygiene</i> , 2021, 115, 1122-1129.	0.7	72
9	Neuronal death in pneumococcal meningitis is triggered by pneumolysin and RrgA interactions with $\beta$ -actin. <i>PLoS Pathogens</i> , 2021, 17, e1009432.	2.1	14
10	Virus-Induced Changes of the Respiratory Tract Environment Promote Secondary Infections With <i>Streptococcus pneumoniae</i> . <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 643326.	1.8	39
11	RNA thermosensors facilitate <i>Streptococcus pneumoniae</i> and <i>Haemophilus influenzae</i> immune evasion. <i>PLoS Pathogens</i> , 2021, 17, e1009513.	2.1	8
12	Changes in the incidence of invasive disease due to <i>Streptococcus pneumoniae</i> , <i>Haemophilus influenzae</i> , and <i>Neisseria meningitidis</i> during the COVID-19 pandemic in 26 countries and territories in the Invasive Respiratory Infection Surveillance Initiative: a prospective analysis of surveillance data. <i>The Lancet Digital Health</i> , 2021, 3, e360-e370.	5.9	260
13	Antimicrobial resistance research in a post-pandemic world: Insights on antimicrobial resistance research in the COVID-19 pandemic. <i>Journal of Global Antimicrobial Resistance</i> , 2021, 25, 5-7.	0.9	27
14	THCz: Small molecules with antimicrobial activity that block cell wall lipid intermediates. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	5
15	The Role of Minor Pilins in Assembly and Function of the Competence Pilus of <i>Streptococcus pneumoniae</i> . <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 808601.	1.8	5
16	Lysogeny in <i>Streptococcus pneumoniae</i> . <i>Microorganisms</i> , 2020, 8, 1546.	1.6	10
17	Capillary leakage provides nutrients and antioxidants for rapid pneumococcal proliferation in influenza-infected lower airways. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 31386-31397.	3.3	28
18	The Bactericidal Fatty Acid Mimetic 2CCA-1 Selectively Targets Pneumococcal Extracellular Polyunsaturated Fatty Acid Metabolism. <i>MBio</i> , 2020, 11, .	1.8	2

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19	The impact of the ancillary pilusâ€ protein RrgA of <i>Streptococcus pneumoniae</i> on colonization and disease. <i>Molecular Microbiology</i> , 2020, 113, 650-658.	1.2	12
20	Gradient acoustic focusing of sub-micron particles for separation of bacteria from blood lysate. <i>Scientific Reports</i> , 2020, 10, 3670.	1.6	34
21	Proton Motive Force Disruptors Block Bacterial Competence and Horizontal Gene Transfer. <i>Cell Host and Microbe</i> , 2020, 27, 544-555.e3.	5.1	53
22	The rise of hyperâ€virulence. <i>Journal of Internal Medicine</i> , 2020, 287, 336-338.	2.7	2
23	Flame-Made Calcium Phosphate Nanoparticles with High Drug Loading for Delivery of Biologics. <i>Molecules</i> , 2020, 25, 1747.	1.7	18
24	Reduced <i>In Vitro</i> Susceptibility of <i>Streptococcus pyogenes</i> to $\beta$ -Lactam Antibiotics Associated with Mutations in the <i>pbp2x</i> Gene Is Geographically Widespread. <i>Journal of Clinical Microbiology</i> , 2020, 58, .	1.8	55
25	Gradâ€seq in a Gramâ€positive bacterium reveals exonucleolytic <i>scp</i> sRNA activation in competence control. <i>EMBO Journal</i> , 2020, 39, e103852.	3.5	66
26	Mannose receptorâ€derived peptides neutralize poreâ€forming toxins and reduce inflammation and development of pneumococcal disease. <i>EMBO Molecular Medicine</i> , 2020, 12, e12695.	3.3	19
27	Genomic Characterization of the Emerging Pathogen <i>Streptococcus pseudopneumoniae</i> . <i>MBio</i> , 2019, 10, .	1.8	18
28	Emerging concepts in the pathogenesis of the <i>Streptococcus pneumoniae</i> : From nasopharyngeal colonizer to intracellular pathogen. <i>Cellular Microbiology</i> , 2019, 21, e13077.	1.1	79
29	Serotype and molecular diversity of nasopharyngeal <i>Streptococcus pneumoniae</i> isolates from children before and after vaccination with the ten-valent pneumococcal conjugate vaccine (PCV10) in Ethiopia. <i>BMC Infectious Diseases</i> , 2019, 19, 409.	1.3	12
30	IVIS Spectrum CT to Image the Progression of Pneumococcal Infections In Vivo. <i>Methods in Molecular Biology</i> , 2019, 1968, 195-202.	0.4	4
31	Luminescent CeO <sub>2</sub> :Eu <sup>3+</sup> nanocrystals for robust in situ H <sub>2</sub> O <sub>2</sub> real-time detection in bacterial cell cultures. <i>Biosensors and Bioelectronics</i> , 2019, 132, 286-293.	5.3	24
32	Immunofluorescent Staining and High-Resolution Microscopy to Study the Pneumococcal Cell. <i>Methods in Molecular Biology</i> , 2019, 1968, 35-39.	0.4	0
33	The Role of Microglia in Bacterial Meningitis: Inflammatory Response, Experimental Models and New Neuroprotective Therapeutic Strategies. <i>Frontiers in Microbiology</i> , 2019, 10, 576.	1.5	30
34	In Vivo Mouse Models to Study Pneumococcal Host Interaction and Invasive Pneumococcal Disease. <i>Methods in Molecular Biology</i> , 2019, 1968, 173-181.	0.4	3
35	High-Resolution and Super-Resolution Immunofluorescent Microscopy Ex Vivo to Study Pneumococcal Interactions with the Host. <i>Methods in Molecular Biology</i> , 2019, 1968, 53-59.	0.4	0
36	Gram-Positive Type IV Pili and Competence. <i>Microbiology Spectrum</i> , 2019, 7, .	1.2	10

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37	Gram-Positive Type IV Pili and Competence. , 2019, , 129-135.		0
38	Pneumolysin binds to the mannose receptor C type 1 (MRC-1) leading to anti-inflammatory responses and enhanced pneumococcal survival. Nature Microbiology, 2019, 4, 62-70.	5.9	77
39	Effect of childhood pneumococcal conjugate vaccination on invasive disease in older adults of 10 European countries: implications for adult vaccination. Thorax, 2019, 74, 473-482.	2.7	125
40	Immunomodulatory Effects of Pneumococcal Extracellular Vesicles on Cellular and Humoral Host Defenses. MBio, 2018, 9, .	1.8	72
41	Receptor Blockade: A Novel Approach to Protect the Brain From Pneumococcal Invasion. Journal of Infectious Diseases, 2018, 218, 476-484.	1.9	15
42	Separation of pathogenic bacteria by chain length. Analytica Chimica Acta, 2018, 1000, 223-231.	2.6	36
43	Reply to Theilacker et al. Clinical Infectious Diseases, 2018, 66, 1642-1643.	2.9	2
44	Eosinophilia and reduced STAT3 signaling affect neutrophil cell death in autosomal recessive Hyper-IgE syndrome. European Journal of Immunology, 2018, 48, 1975-1988.	1.6	6
45	Detection of human disease conditions by single-cell morpho-rheological phenotyping of blood. ELife, 2018, 7, .	2.8	125
46	Clinical relevance of bacterial resistance in lower respiratory tract infection in primary care: secondary analysis of a multicentre European trial. British Journal of General Practice, 2018, 68, e627-e632.	0.7	2
47	Factor H binding proteins protect division septa on encapsulated Streptococcus pneumoniae against complement C3b deposition and amplification. Nature Communications, 2018, 9, 3398.	5.8	44
48	pIgR and PECAM-1 bind to pneumococcal adhesins RrgA and PspC mediating bacterial brain invasion. Journal of Experimental Medicine, 2017, 214, 1619-1630.	4.2	79
49	Effect of high-valency pneumococcal conjugate vaccines on invasive pneumococcal disease in children in SpIDnet countries: an observational multicentre study. Lancet Respiratory Medicine, the, 2017, 5, 648-656.	5.2	96
50	Vitamin D Promotes Pneumococcal Killing and Modulates Inflammatory Responses in Primary Human Neutrophils. Journal of Innate Immunity, 2017, 9, 375-386.	1.8	67
51	The Pneumocell-study: Vaccination of IgG1- and IgG2-deficient patients with Prevnar13. Vaccine, 2017, 35, 2654-2660.	1.7	2
52	Comparison of the Impact of Pneumococcal Conjugate Vaccine 10 or Pneumococcal Conjugate Vaccine 13 on Invasive Pneumococcal Disease in Equivalent Populations. Clinical Infectious Diseases, 2017, 65, 1780-1790.e1.	2.9	123
53	Analysis of IAV Replication and Co-infection Dynamics by a Versatile RNA Viral Genome Labeling Method. Cell Reports, 2017, 20, 251-263.	2.9	57
54	Structure of the competence pilus major pilin ComGC in Streptococcus pneumoniae. Journal of Biological Chemistry, 2017, 292, 14134-14146.	1.6	27

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55	N-acetylglucosamine-Mediated Expression of nagA and nagB in Streptococcus pneumoniae. <i>Frontiers in Cellular and Infection Microbiology</i> , 2016, 6, 158.	1.8	7
56	Pneumococcal Carriage in Children under Five Years in Uganda-Will Present Pneumococcal Conjugate Vaccines Be Appropriate?. <i>PLoS ONE</i> , 2016, 11, e0166018.	1.1	23
57	The crystal structure of the major pneumococcal autolysin LytA in complex with a large peptidoglycan fragment reveals the pivotal role of glycans for lytic activity. <i>Molecular Microbiology</i> , 2016, 101, 954-967.	1.2	14
58	Variation in Inflammatory Response during Pneumococcal Infection Is Influenced by Host-Pathogen Interactions but Associated with Animal Survival. <i>Infection and Immunity</i> , 2016, 84, 894-905.	1.0	7
59	The BR domain of PsrP interacts with extracellular DNA to promote bacterial aggregation; structural insights into pneumococcal biofilm formation. <i>Scientific Reports</i> , 2016, 6, 32371.	1.6	27
60	lytA-based identification methods can misidentify Streptococcus pneumoniae. <i>Diagnostic Microbiology and Infectious Disease</i> , 2016, 85, 141-148.	0.8	53
61	Effects of PCV7 and PCV13 on invasive pneumococcal disease and carriage in Stockholm, Sweden. <i>European Respiratory Journal</i> , 2016, 47, 1208-1218.	3.1	125
62	Streptococcus pneumoniae Senses a Human-like Sialic Acid Profile via the Response Regulator CiaR. <i>Cell Host and Microbe</i> , 2016, 20, 307-317.	5.1	49
63	Unaltered pneumococcal carriage prevalence due to expansion of non-vaccine types of low invasive potential 8 years after vaccine introduction in Stockholm, Sweden. <i>Vaccine</i> , 2016, 34, 4565-4571.	1.7	64
64	Influenza A Virus Infection Predisposes Hosts to Secondary Infection with Different Streptococcus pneumoniae Serotypes with Similar Outcome but Serotype-Specific Manifestation. <i>Infection and Immunity</i> , 2016, 84, 3445-3457.	1.0	57
65	Impact of AmpC Derepression on Fitness and Virulence: the Mechanism or the Pathway?. <i>MBio</i> , 2016, 7, .	1.8	62
66	How Does Streptococcus pneumoniae Invade the Brain?. <i>Trends in Microbiology</i> , 2016, 24, 307-315.	3.5	61
67	Toll-Like Receptor 3/TRIF-Dependent IL-12p70 Secretion Mediated by Streptococcus pneumoniae RNA and Its Priming by Influenza A Virus Coinfection in Human Dendritic Cells. <i>MBio</i> , 2016, 7, e00168-16.	1.8	20
68	Pneumococcal meningitis is promoted by single cocci expressing pilus adhesin RrgA. <i>Journal of Clinical Investigation</i> , 2016, 126, 2821-2826.	3.9	38
69	Cinobufagin Modulates Human Innate Immune Responses and Triggers Antibacterial Activity. <i>PLoS ONE</i> , 2016, 11, e0160734.	1.1	16
70	BCG Skin Infection Triggers IL-1R-MyD88-Dependent Migration of EpCAM <sup>low</sup> CD11b <sup>high</sup> Skin Dendritic cells to Draining Lymph Node During CD4 <sup>+</sup> T-Cell Priming. <i>PLoS Pathogens</i> , 2015, 11, e1005206.	2.1	31
71	Transcriptional profiling of UlaR-regulated genes in Streptococcus pneumoniae. <i>Genomics Data</i> , 2015, 4, 57-59.	1.3	27
72	Respiratory viruses associated with community-acquired pneumonia in children: matched case-control study. <i>Thorax</i> , 2015, 70, 847-853.	2.7	111

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73	Streptococcal M1 Strikes by Neutralizing Cathelicidins. <i>Cell Host and Microbe</i> , 2015, 18, 390-391.	5.1	0
74	Reply to Arends and Harkisoen. <i>Clinical Infectious Diseases</i> , 2015, 60, 324-325.	2.9	0
75	UlaR activates expression of the ula operon in <i>Streptococcus pneumoniae</i> in the presence of ascorbic acid. <i>Microbiology (United Kingdom)</i> , 2015, 161, 41-49.	0.7	20
76	Improvement of CRB-65 as a prognostic tool in adult patients with community-acquired pneumonia. <i>BMJ Open Respiratory Research</i> , 2014, 1, e000038.	1.2	31
77	Clinical Efficacy of Polyspecific Intravenous Immunoglobulin Therapy in Patients With Streptococcal Toxic Shock Syndrome: A Comparative Observational Study. <i>Clinical Infectious Diseases</i> , 2014, 59, 851-857.	2.9	186
78	Structural and Functional Insights into Peptidoglycan Access for the Lytic Amidase LytA of <i>Streptococcus pneumoniae</i> . <i>MBio</i> , 2014, 5, e01120-13.	1.8	48
79	Clinical manifestations of invasive pneumococcal disease by vaccine and non-vaccine types. <i>European Respiratory Journal</i> , 2014, 44, 1646-1657.	3.1	43
80	Prevalence of community-acquired bacteraemia in Guinea-Bissau: an observational study. <i>BMC Infectious Diseases</i> , 2014, 14, 3859.	1.3	26
81	Bacterial vaccines and antibiotic resistance. <i>Uppsala Journal of Medical Sciences</i> , 2014, 119, 205-208.	0.4	19
82	Intraclonal Variations Among <i>Streptococcus pneumoniae</i> Isolates Influence the Likelihood of Invasive Disease in Children. <i>Journal of Infectious Diseases</i> , 2014, 209, 377-388.	1.9	61
83	Adult zebrafish model for pneumococcal pathogenesis. <i>Developmental and Comparative Immunology</i> , 2014, 42, 345-353.	1.0	33
84	Sinusitis and Pneumonia Hospitalization After Introduction of Pneumococcal Conjugate Vaccine. <i>Pediatrics</i> , 2014, 134, e1528-e1536.	1.0	60
85	The Pneumococcus: Epidemiology, Microbiology, and Pathogenesis. <i>Cold Spring Harbor Perspectives in Medicine</i> , 2013, 3, a010215-a010215.	2.9	330
86	Pilus Adhesin RrgA Interacts with Complement Receptor 3, Thereby Affecting Macrophage Function and Systemic Pneumococcal Disease. <i>MBio</i> , 2013, 4, e00535-12.	1.8	41
87	LytA, Major Autolysin of <i>Streptococcus pneumoniae</i> , Requires Access to Nascent Peptidoglycan. <i>Journal of Biological Chemistry</i> , 2012, 287, 11018-11029.	1.6	107
88	Commensal pathogens, with a focus on <i>Streptococcus pneumoniae</i> , and interactions with the human host. <i>Experimental Cell Research</i> , 2010, 316, 1408-1414.	1.2	59
89	Clinical Isolates of <i>Streptococcus pneumoniae</i> Bind the Complement Inhibitor C4b-Binding Protein in a PspC Allele-Dependent Fashion. <i>Journal of Immunology</i> , 2009, 182, 7865-7877.	0.4	75
90	<i>Streptococcus pneumoniae</i> evades human dendritic cell surveillance by pneumolysin expression. <i>EMBO Molecular Medicine</i> , 2009, 1, 211-222.	3.3	62

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91	The rise and fall of bacterial clones: Streptococcus pneumoniae. Nature Reviews Microbiology, 2008, 6, 827-837.	13.6	84
92	Sortase-mediated assembly and surface topology of adhesive pneumococcal pili. Molecular Microbiology, 2008, 70, 595-607.	1.2	65
93	Streptococcus pneumoniae Contains 3rlrAPilus Variants That Are Clonally Related. Journal of Infectious Diseases, 2008, 197, 888-896.	1.9	94
94	Discovery of a novel class of highly conserved vaccine antigens using genomic scale antigenic fingerprinting of pneumococcus with human antibodies. Journal of Experimental Medicine, 2008, 205, 117-131.	4.2	244
95	Virulence in Mice of Pneumococcal Clonal Types with Known Invasive Disease Potential in Humans. Journal of Infectious Diseases, 2005, 192, 791-800.	1.9	92
96	Capsular Expression in Streptococcus pneumoniae Negatively Affects Spontaneous and Antibiotic-Induced Lysis and Contributes to Antibiotic Tolerance. Journal of Infectious Diseases, 2004, 189, 328-338.	1.9	75