

# Birgitta Henriques-Normark

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4995205/publications.pdf>

Version: 2024-02-01

96  
papers

4,560  
citations

81900

39  
h-index

114465

63  
g-index

101  
all docs

101  
docs citations

101  
times ranked

5707  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Pneumococcus: Epidemiology, Microbiology, and Pathogenesis. Cold Spring Harbor Perspectives in Medicine, 2013, 3, a010215-a010215.	6.2	330
2	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. The Lancet Digital Health, 2021, 3, e360-e370.	12.3	260
3	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.	8.5	244
4	Clinical Efficacy of Polyspecific Intravenous Immunoglobulin Therapy in Patients With Streptococcal Toxic Shock Syndrome: A Comparative Observational Study. Clinical Infectious Diseases, 2014, 59, 851-857.	5.8	186
5	Effects of PCV7 and PCV13 on invasive pneumococcal disease and carriage in Stockholm, Sweden. European Respiratory Journal, 2016, 47, 1208-1218.	6.7	125
6	Detection of human disease conditions by single-cell morpho-rheological phenotyping of blood. ELife, 2018, 7, .	6.0	125
7	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.	5.6	125
8	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.	5.8	123
9	Respiratory viruses associated with community-acquired pneumonia in children: matched case-control study. Thorax, 2015, 70, 847-853.	5.6	111
10	LytA, Major Autolysin of <i>Streptococcus pneumoniae</i> , Requires Access to Nascent Peptidoglycan. Journal of Biological Chemistry, 2012, 287, 11018-11029.	3.4	107
11	Effect of high-valency pneumococcal conjugate vaccines on invasive pneumococcal disease in children in SpIDnet countries: an observational multicentre study. Lancet Respiratory Medicine, 2017, 5, 648-656.	10.7	96
12	<i>Streptococcus pneumoniae</i> Contains 3rlrAPilus Variants That Are Clonally Related. Journal of Infectious Diseases, 2008, 197, 888-896.	4.0	94
13	Virulence in Mice of Pneumococcal Clonal Types with Known Invasive Disease Potential in Humans. Journal of Infectious Diseases, 2005, 192, 791-800.	4.0	92
14	The rise and fall of bacterial clones: <i>Streptococcus pneumoniae</i> . Nature Reviews Microbiology, 2008, 6, 827-837.	28.6	84
15	pIgR and PECAM-1 bind to pneumococcal adhesins RrgA and PspC mediating bacterial brain invasion. Journal of Experimental Medicine, 2017, 214, 1619-1630.	8.5	79
16	Emerging concepts in the pathogenesis of the <i>Streptococcus pneumoniae</i> : From nasopharyngeal colonizer to intracellular pathogen. Cellular Microbiology, 2019, 21, e13077.	2.1	79
17	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.	13.3	77
18	Capsular Expression in <i>Streptococcus pneumoniae</i> Negatively Affects Spontaneous and Antibiotic-Induced Lysis and Contributes to Antibiotic Tolerance. Journal of Infectious Diseases, 2004, 189, 328-338.	4.0	75

#	ARTICLE	IF	CITATIONS
19	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.	0.8	75
20	Immunomodulatory Effects of Pneumococcal Extracellular Vesicles on Cellular and Humoral Host Defenses. <i>MBio</i> , 2018, 9, .	4.1	72
21	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.	1.8	72
22	Vitamin D Promotes Pneumococcal Killing and Modulates Inflammatory Responses in Primary Human Neutrophils. <i>Journal of Innate Immunity</i> , 2017, 9, 375-386.	3.8	67
23	Grad $\epsilon$ seq in a Gram $\epsilon$ positive bacterium reveals exonucleolytic $\langle scp \rangle$ sRNA activation in competence control. <i>EMBO Journal</i> , 2020, 39, e103852.	7.8	66
24	Sortase $\epsilon$ -mediated assembly and surface topology of adhesive pneumococcal pili. <i>Molecular Microbiology</i> , 2008, 70, 595-607.	2.5	65
25	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.	3.8	64
26	<i>Streptococcus pneumoniae</i> evades human dendritic cell surveillance by pneumolysin expression. <i>EMBO Molecular Medicine</i> , 2009, 1, 211-222.	6.9	62
27	Impact of AmpC Derepression on Fitness and Virulence: the Mechanism or the Pathway?. <i>MBio</i> , 2016, 7, .	4.1	62
28	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.	4.0	61
29	How Does <i>Streptococcus pneumoniae</i> Invade the Brain?. <i>Trends in Microbiology</i> , 2016, 24, 307-315.	7.7	61
30	Sinusitis and Pneumonia Hospitalization After Introduction of Pneumococcal Conjugate Vaccine. <i>Pediatrics</i> , 2014, 134, e1528-e1536.	2.1	60
31	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.	2.6	59
32	Influenza A Virus Infection Predisposes Hosts to Secondary Infection with Different <i>Streptococcus pneumoniae</i> Serotypes with Similar Outcome but Serotype-Specific Manifestation. <i>Infection and Immunity</i> , 2016, 84, 3445-3457.	2.2	57
33	Analysis of IAV Replication and Co-infection Dynamics by a Versatile RNA Viral Genome Labeling Method. <i>Cell Reports</i> , 2017, 20, 251-263.	6.4	57
34	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, .	3.9	55
35	lytA-based identification methods can misidentify <i>Streptococcus pneumoniae</i> . <i>Diagnostic Microbiology and Infectious Disease</i> , 2016, 85, 141-148.	1.8	53
36	Proton Motive Force Disruptors Block Bacterial Competence and Horizontal Gene Transfer. <i>Cell Host and Microbe</i> , 2020, 27, 544-555.e3.	11.0	53

#	ARTICLE	IF	CITATIONS
37	<i>Streptococcus pneumoniae</i> Senses a Human-like Sialic Acid Profile via the Response Regulator CiaR. <i>Cell Host and Microbe</i> , 2016, 20, 307-317.	11.0	49
38	Structural and Functional Insights into Peptidoglycan Access for the Lytic Amidase LytA of <i>Streptococcus pneumoniae</i> . <i>MBio</i> , 2014, 5, e01120-13.	4.1	48
39	Factor H binding proteins protect division septa on encapsulated <i>Streptococcus pneumoniae</i> against complement C3b deposition and amplification. <i>Nature Communications</i> , 2018, 9, 3398.	12.8	44
40	Clinical manifestations of invasive pneumococcal disease by vaccine and non-vaccine types. <i>European Respiratory Journal</i> , 2014, 44, 1646-1657.	6.7	43
41	Pilus Adhesin RrgA Interacts with Complement Receptor 3, Thereby Affecting Macrophage Function and Systemic Pneumococcal Disease. <i>MBio</i> , 2013, 4, e00535-12.	4.1	41
42	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.	3.9	39
43	Pneumococcal meningitis is promoted by single cocci expressing pilus adhesin RrgA. <i>Journal of Clinical Investigation</i> , 2016, 126, 2821-2826.	8.2	38
44	Separation of pathogenic bacteria by chain length. <i>Analytica Chimica Acta</i> , 2018, 1000, 223-231.	5.4	36
45	Gradient acoustic focusing of sub-micron particles for separation of bacteria from blood lysate. <i>Scientific Reports</i> , 2020, 10, 3670.	3.3	34
46	Adult zebrafish model for pneumococcal pathogenesis. <i>Developmental and Comparative Immunology</i> , 2014, 42, 345-353.	2.3	33
47	Improvement of CRB-65 as a prognostic tool in adult patients with community-acquired pneumonia. <i>BMJ Open Respiratory Research</i> , 2014, 1, e000038.	3.0	31
48	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.	4.7	31
49	The Role of Microglia in Bacterial Meningitis: Inflammatory Response, Experimental Models and New Neuroprotective Therapeutic Strategies. <i>Frontiers in Microbiology</i> , 2019, 10, 576.	3.5	30
50	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.	7.1	28
51	Transcriptional profiling of UlaR-regulated genes in <i>Streptococcus pneumoniae</i> . <i>Genomics Data</i> , 2015, 4, 57-59.	1.3	27
52	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.	3.3	27
53	Structure of the competence pilus major pilin ComGC in <i>Streptococcus pneumoniae</i> . <i>Journal of Biological Chemistry</i> , 2017, 292, 14134-14146.	3.4	27
54	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.	2.2	27

#	ARTICLE	IF	CITATIONS
55	Prevalence of community-acquired bacteraemia in Guinea-Bissau: an observational study. <i>BMC Infectious Diseases</i> , 2014, 14, 3859.	2.9	26
56	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.	10.1	24
57	Pneumococcal Carriage in Children under Five Years in Uganda-Will Present Pneumococcal Conjugate Vaccines Be Appropriate?. <i>PLoS ONE</i> , 2016, 11, e0166018.	2.5	23
58	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.	1.8	20
59	Toll-Like Receptor 3/TRIF-Dependent IL-12p70 Secretion Mediated by <i>Streptococcus pneumoniae</i> RNA and Its Priming by Influenza A Virus Coinfection in Human Dendritic Cells. <i>MBio</i> , 2016, 7, e00168-16.	4.1	20
60	Bacterial vaccines and antibiotic resistance. <i>Uppsala Journal of Medical Sciences</i> , 2014, 119, 205-208.	0.9	19
61	Mannose receptor-derived peptides neutralize pore-forming toxins and reduce inflammation and development of pneumococcal disease. <i>EMBO Molecular Medicine</i> , 2020, 12, e12695.	6.9	19
62	Genomic Characterization of the Emerging Pathogen <i>Streptococcus pseudopneumoniae</i> . <i>MBio</i> , 2019, 10, .	4.1	18
63	Flame-Made Calcium Phosphate Nanoparticles with High Drug Loading for Delivery of Biologics. <i>Molecules</i> , 2020, 25, 1747.	3.8	18
64	Cinobufagin Modulates Human Innate Immune Responses and Triggers Antibacterial Activity. <i>PLoS ONE</i> , 2016, 11, e0160734.	2.5	16
65	Receptor Blockade: A Novel Approach to Protect the Brain From Pneumococcal Invasion. <i>Journal of Infectious Diseases</i> , 2018, 218, 476-484.	4.0	15
66	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.	2.5	14
67	Neuronal death in pneumococcal meningitis is triggered by pneumolysin and RrgA interactions with $\beta$ -actin. <i>PLoS Pathogens</i> , 2021, 17, e1009432.	4.7	14
68	Biofilm interfacial acidity evaluation by pH-Responsive luminescent nanoparticle films. <i>Biosensors and Bioelectronics</i> , 2021, 171, 112732.	10.1	13
69	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.	2.9	12
70	The impact of the ancillary pilus-1 protein RrgA of <i>Streptococcus pneumoniae</i> on colonization and disease. <i>Molecular Microbiology</i> , 2020, 113, 650-658.	2.5	12
71	Gram-Positive Type IV Pili and Competence. <i>Microbiology Spectrum</i> , 2019, 7, .	3.0	10
72	Lysogeny in <i>Streptococcus pneumoniae</i> . <i>Microorganisms</i> , 2020, 8, 1546.	3.6	10

#	ARTICLE	IF	CITATIONS
73	RNA thermosensors facilitate <i>Streptococcus pneumoniae</i> and <i>Haemophilus influenzae</i> immune evasion. <i>PLoS Pathogens</i> , 2021, 17, e1009513.	4.7	8
74	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.	5.8	8
75	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.	6.0	8
76	N-acetylglucosamine-Mediated Expression of nagA and nagB in <i>Streptococcus pneumoniae</i> . <i>Frontiers in Cellular and Infection Microbiology</i> , 2016, 6, 158.	3.9	7
77	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.	2.2	7
78	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, .	7.1	7
79	Eosinophilia and reduced STAT3 signaling affect neutrophil cell death in autosomal-dominant Hyper-IgE syndrome. <i>European Journal of Immunology</i> , 2018, 48, 1975-1988.	2.9	6
80	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, .	7.1	5
81	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.	3.9	5
82	IVIS Spectrum CT to Image the Progression of Pneumococcal Infections In Vivo. <i>Methods in Molecular Biology</i> , 2019, 1968, 195-202.	0.9	4
83	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.	3.9	4
84	Enterobacteria impair host p53 tumor suppressor activity through mRNA destabilization. <i>Oncogene</i> , 2022, 41, 2173-2186.	5.9	4
85	In Vivo Mouse Models to Study Pneumococcal Host Interaction and Invasive Pneumococcal Disease. <i>Methods in Molecular Biology</i> , 2019, 1968, 173-181.	0.9	3
86	The Pneumocell-study: Vaccination of IgG1- and IgG2-deficient patients with Prevnar13. <i>Vaccine</i> , 2017, 35, 2654-2660.	3.8	2
87	Reply to Theilacker et al. <i>Clinical Infectious Diseases</i> , 2018, 66, 1642-1643.	5.8	2
88	Clinical relevance of bacterial resistance in lower respiratory tract infection in primary care: secondary analysis of a multicentre European trial. <i>British Journal of General Practice</i> , 2018, 68, e627-e632.	1.4	2
89	The Bactericidal Fatty Acid Mimetic 2CCA-1 Selectively Targets Pneumococcal Extracellular Polyunsaturated Fatty Acid Metabolism. <i>MBio</i> , 2020, 11, .	4.1	2
90	The rise of hyper-virulence. <i>Journal of Internal Medicine</i> , 2020, 287, 336-338.	6.0	2

#	ARTICLE	IF	CITATIONS
91	Experimental Model for Studies of Pneumococcal Colonization in Older Adults. American Journal of Respiratory and Critical Care Medicine, 2021, 203, 539-540.	5.6	1
92	Streptococcal M1 Strikes by Neutralizing Cathelicidins. Cell Host and Microbe, 2015, 18, 390-391.	11.0	0
93	Reply to Arends and Harkisoen. Clinical Infectious Diseases, 2015, 60, 324-325.	5.8	0
94	Immunofluorescent Staining and High-Resolution Microscopy to Study the Pneumococcal Cell. Methods in Molecular Biology, 2019, 1968, 35-39.	0.9	0
95	High-Resolution and Super-Resolution Immunofluorescent Microscopy Ex Vivo to Study Pneumococcal Interactions with the Host. Methods in Molecular Biology, 2019, 1968, 53-59.	0.9	0
96	Gram-Positive Type IV Pili and Competence. , 2019, , 129-135.		0