

Anne von Gottberg

List of Publications by Year in descending order

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Version: 2024-02-01

75
papers

10,677
citations

156536

32
h-index

93651

72
g-index

90
all docs

90
docs citations

90
times ranked

13594
citing authors

#	ARTICLE	IF	CITATIONS
1	Detection of a SARS-CoV-2 variant of concern in South Africa. <i>Nature</i> , 2021, 592, 438-443.	13.7	1,381
2	Rapid epidemic expansion of the SARS-CoV-2 Omicron variant in southern Africa. <i>Nature</i> , 2022, 603, 679-686.	13.7	1,210
3	SARS-CoV-2 501Y.V2 escapes neutralization by South African COVID-19 donor plasma. <i>Nature Medicine</i> , 2021, 27, 622-625.	15.2	984
4	Omicron extensively but incompletely escapes Pfizer BNT162b2 neutralization. <i>Nature</i> , 2022, 602, 654-656.	13.7	928
5	Early assessment of the clinical severity of the SARS-CoV-2 omicron variant in South Africa: a data linkage study. <i>Lancet, The</i> , 2022, 399, 437-446.	6.3	818
6	Increased risk of SARS-CoV-2 reinfection associated with emergence of Omicron in South Africa. <i>Science</i> , 2022, 376, eabn4947.	6.0	651
7	Emergence of SARS-CoV-2 Omicron lineages BA.4 and BA.5 in South Africa. <i>Nature Medicine</i> , 2022, 28, 1785-1790.	15.2	456
8	Sixteen novel lineages of SARS-CoV-2 in South Africa. <i>Nature Medicine</i> , 2021, 27, 440-446.	15.2	326
9	Effects of Vaccination on Invasive Pneumococcal Disease in South Africa. <i>New England Journal of Medicine</i> , 2014, 371, 1889-1899.	13.9	308
10	High Nasopharyngeal Pneumococcal Density, Increased by Viral Coinfection, Is Associated With Invasive Pneumococcal Pneumonia. <i>Journal of Infectious Diseases</i> , 2014, 210, 1649-1657.	1.9	163
11	A year of genomic surveillance reveals how the SARS-CoV-2 pandemic unfolded in Africa. <i>Science</i> , 2021, 374, 423-431.	6.0	144
12	Difference in mortality among individuals admitted to hospital with COVID-19 during the first and second waves in South Africa: a cohort study. <i>The Lancet Global Health</i> , 2021, 9, e1216-e1225.	2.9	131
13	Severe Influenza-associated Respiratory Infection in High HIV Prevalence Setting, South Africa, 2009-2011. <i>Emerging Infectious Diseases</i> , 2013, 19, 1766-74.	2.0	129
14	Omicron extensively but incompletely escapes Pfizer BNT162b2 neutralization. <i>Nature</i> , 0, .	13.7	104
15	The relative invasive disease potential of <i>Streptococcus pneumoniae</i> among children after PCV introduction: A systematic review and meta-analysis. <i>Journal of Infection</i> , 2018, 77, 368-378.	1.7	100
16	Epidemiology of Acute Lower Respiratory Tract Infection in HIV-Exposed Uninfected Infants. <i>Pediatrics</i> , 2016, 137, .	1.0	96
17	Increased Risk for and Mortality From Invasive Pneumococcal Disease in HIV-Exposed but Uninfected Infants Aged <1 Year in South Africa, 2009-2013. <i>Clinical Infectious Diseases</i> , 2015, 60, 1346-1356.	2.9	91
18	Joint sequencing of human and pathogen genomes reveals the genetics of pneumococcal meningitis. <i>Nature Communications</i> , 2019, 10, 2176.	5.8	83

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19	SARS-CoV-2 Seroprevalence in a Rural and Urban Household Cohort during First and Second Waves of Infections, South Africa, July 2020â€“March 2021. <i>Emerging Infectious Diseases</i> , 2021, 27, 3020-3029.	2.0	78
20	SARS-CoV-2 incidence, transmission, and reinfection in a rural and an urban setting: results of the PHIRST-C cohort study, South Africa, 2020â€“21. <i>Lancet Infectious Diseases</i> , The, 2022, 22, 821-834.	4.6	74
21	HIV-1 and SARS-CoV-2: Patterns in the evolution of two pandemic pathogens. <i>Cell Host and Microbe</i> , 2021, 29, 1093-1110.	5.1	73
22	Mortality amongst Patients with Influenza-Associated Severe Acute Respiratory Illness, South Africa, 2009-2013. <i>PLoS ONE</i> , 2015, 10, e0118884.	1.1	68
23	Omicron infection enhances Delta antibody immunity in vaccinated persons. <i>Nature</i> , 2022, 607, 356-359.	13.7	66
24	Epidemiology of Viral-associated Acute Lower Respiratory Tract Infection Among Children <5 Years of Age in a High HIV Prevalence Setting, South Africa, 2009â€“2012. <i>Pediatric Infectious Disease Journal</i> , 2015, 34, 66-72.	1.1	65
25	Asymptomatic transmission and high community burden of seasonal influenza in an urban and a rural community in South Africa, 2017â€“18 (PHIRST): a population cohort study. <i>The Lancet Global Health</i> , 2021, 9, e863-e874.	2.9	61
26	Rapid epidemic expansion of the SARS-CoV-2 Omicron variant in southern Africa. <i>Nature</i> , 0, , .	13.7	61
27	Effectiveness of the Ad26.COVS vaccine in health-care workers in South Africa (the Sisonke study): results from a single-arm, open-label, phase 3B, implementation study. <i>Lancet</i> , The, 2022, 399, 1141-1153.	6.3	51
28	Temporal Changes in Pneumococcal Colonization in a Rural African Community With High HIV Prevalence Following Routine Infant Pneumococcal Immunization. <i>Pediatric Infectious Disease Journal</i> , 2013, 32, 1270-1278.	1.1	50
29	Persistent High Burden of Invasive Pneumococcal Disease in South African HIV-Infected Adults in the Era of an Antiretroviral Treatment Program. <i>PLoS ONE</i> , 2011, 6, e27929.	1.1	47
30	Effectiveness of the 13-valent pneumococcal conjugate vaccine against invasive pneumococcal disease in South African children: a case-control study. <i>The Lancet Global Health</i> , 2017, 5, e359-e369.	2.9	47
31	An early warning system for emerging SARS-CoV-2 variants. <i>Nature Medicine</i> , 2022, 28, 1110-1115.	15.2	47
32	Epidemiology of Severe Acute Respiratory Illness (SARI) among Adults and Children Aged ≥ 5 Years in a High HIV-Prevalence Setting, 2009â€“2012. <i>PLoS ONE</i> , 2015, 10, e0117716.	1.1	43
33	Effectiveness of 7-Valent Pneumococcal Conjugate Vaccine Against Invasive Pneumococcal Disease in HIV-Infected and -Uninfected Children in South Africa: A Matched Case-Control Study. <i>Clinical Infectious Diseases</i> , 2014, 59, 808-818.	2.9	39
34	Estimated severe pneumococcal disease cases and deaths before and after pneumococcal conjugate vaccine introduction in children younger than 5 years of age in South Africa. <i>PLoS ONE</i> , 2017, 12, e0179905.	1.1	37
35	SARS-CoV-2 transmission, persistence of immunity, and estimates of Omicronâ€™s impact in South African population cohorts. <i>Science Translational Medicine</i> , 2022, 14, .	5.8	36
36	Acquisition of <i>Streptococcus pneumoniae</i> in Pneumococcal Conjugate Vaccine-naïve South African Children and Their Mothers. <i>Pediatric Infectious Disease Journal</i> , 2013, 32, e192-e205.	1.1	35

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37	Temporal Changes in Pneumococcal Colonization in HIV-infected and HIV-uninfected Mother-Child Pairs Following Transitioning From 7-valent to 13-valent Pneumococcal Conjugate Vaccine, Soweto, South Africa. <i>Journal of Infectious Diseases</i> , 2015, 212, 1082-1092.	1.9	35
38	<i>Mycobacterium tuberculosis</i> bloodstream infection prevalence, diagnosis, and mortality risk in seriously ill adults with HIV: a systematic review and meta-analysis of individual patient data. <i>Lancet Infectious Diseases</i> , The, 2020, 20, 742-752.	4.6	31
39	HIV and Influenza Virus Infections Are Associated With Increased Blood Pneumococcal Load: A Prospective, Hospital-Based Observational Study in South Africa, 2009-2011. <i>Journal of Infectious Diseases</i> , 2014, 209, 56-65.	1.9	30
40	Global Landscape Review of Serotype-Specific Invasive Pneumococcal Disease Surveillance among Countries Using PCV10/13: The Pneumococcal Serotype Replacement and Distribution Estimation (PSERENADE) Project. <i>Microorganisms</i> , 2021, 9, 742.	1.6	30
41	Surveillance for incidence and etiology of early-onset neonatal sepsis in Soweto, South Africa. <i>PLoS ONE</i> , 2019, 14, e0214077.	1.1	28
42	The global distribution and diversity of protein vaccine candidate antigens in the highly virulent <i>Streptococcus pneumoniae</i> serotype 1. <i>Vaccine</i> , 2017, 35, 972-980.	1.7	27
43	Impact and effectiveness of 13-valent pneumococcal conjugate vaccine on population incidence of vaccine and non-vaccine serotype invasive pneumococcal disease in Blantyre, Malawi, 2006-2018: prospective observational time-series and case-control studies. <i>The Lancet Global Health</i> , 2021, 9, e989-e998.	2.9	27
44	Region-specific diversification of the highly virulent serotype 1 <i>Streptococcus pneumoniae</i> . <i>Microbial Genomics</i> , 2015, 1, e000027.	1.0	27
45	Emergence and phenotypic characterization of the global SARS-CoV-2 C.1.2 lineage. <i>Nature Communications</i> , 2022, 13, 1976.	5.8	27
46	Challenges of Using Molecular Serotyping for Surveillance of Pneumococcal Disease. <i>Journal of Clinical Microbiology</i> , 2014, 52, 3271-3276.	1.8	25
47	Visualizing variation within Global Pneumococcal Sequence Clusters (GPSCs) and country population snapshots to contextualize pneumococcal isolates. <i>Microbial Genomics</i> , 2020, 6, .	1.0	25
48	Dynamics of Pneumococcal Transmission in Vaccine-Naïve Children and Their HIV-infected or HIV-uninfected Mothers During the First 2 Years of Life. <i>American Journal of Epidemiology</i> , 2013, 178, 1629-1637.	1.6	24
49	Estimated impact of the pneumococcal conjugate vaccine on pneumonia mortality in South Africa, 1999 through 2016: An ecological modelling study. <i>PLoS Medicine</i> , 2021, 18, e1003537.	3.9	21
50	Human metapneumovirus-associated severe acute respiratory illness hospitalisation in HIV-infected and HIV-uninfected South African children and adults. <i>Journal of Clinical Virology</i> , 2015, 69, 125-132.	1.6	19
51	Population Snapshot of <i>Streptococcus pneumoniae</i> Causing Invasive Disease in South Africa Prior to Introduction of Pneumococcal Conjugate Vaccines. <i>PLoS ONE</i> , 2014, 9, e107666.	1.1	18
52	<i>Streptococcus pneumoniae</i> Serotypes and Mortality in Adults and Adolescents in South Africa: Analysis of National Surveillance Data, 2003 - 2008. <i>PLoS ONE</i> , 2015, 10, e0140185.	1.1	17
53	Phylogenetic Analysis of Invasive Serotype 1 <i>Pneumococcus</i> in South Africa, 1989 to 2013. <i>Journal of Clinical Microbiology</i> , 2016, 54, 1326-1334.	1.8	16
54	Cohort profile: A Prospective Household cohort study of Influenza, Respiratory syncytial virus and other respiratory pathogens community burden and Transmission dynamics in South Africa, 2016-2018. <i>Influenza and Other Respiratory Viruses</i> , 2021, 15, 789-803.	1.5	16

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55	Longitudinal study on <i>Streptococcus pneumoniae</i> , <i>Haemophilus influenzae</i> and <i>Staphylococcus aureus</i> nasopharyngeal colonization in HIV-infected and -uninfected infants vaccinated with pneumococcal conjugate vaccine. <i>Vaccine</i> , 2015, 33, 2662-2669.	1.7	15
56	Acquisition of <i>Streptococcus pneumoniae</i> in South African children vaccinated with 7-valent pneumococcal conjugate vaccine at 6, 14 and 40 weeks of age. <i>Vaccine</i> , 2015, 33, 628-634.	1.7	15
57	Genomic analysis of nontypeable pneumococci causing invasive pneumococcal disease in South Africa, 2003–2013. <i>BMC Genomics</i> , 2016, 17, 470.	1.2	15
58	Aetiology of bacterial meningitis in infants aged <90 days: Prospective surveillance in Luanda, Angola. <i>International Journal of Infectious Diseases</i> , 2020, 97, 251-257.	1.5	14
59	Putative novel <i>cps</i> loci in a large global collection of pneumococci. <i>Microbial Genomics</i> , 2019, 5, .	1.0	14
60	Emergence of fluoroquinolone-resistant <i>Streptococcus pneumoniae</i> in a South African child in a tuberculosis treatment facility. <i>Pediatric Infectious Disease Journal</i> , 2003, 22, 1020-1021.	1.1	11
61	Factors Associated with Ceftriaxone Nonsusceptibility of <i>Streptococcus pneumoniae</i> : Analysis of South African National Surveillance Data, 2003 to 2010. <i>Antimicrobial Agents and Chemotherapy</i> , 2014, 58, 3293-3305.	1.4	11
62	Changes in Invasive Pneumococcal Disease Caused by <i>Streptococcus pneumoniae</i> Serotype 1 following Introduction of PCV10 and PCV13: Findings from the PSERENADE Project. <i>Microorganisms</i> , 2021, 9, 696.	1.6	10
63	Estimating the contribution of HIV-infected adults to household pneumococcal transmission in South Africa, 2016–2018: A hidden Markov modelling study. <i>PLoS Computational Biology</i> , 2021, 17, e1009680.	1.5	9
64	Influenza disease burden among potential target risk groups for immunization in South Africa, 2013–2015. <i>Vaccine</i> , 2020, 38, 4288-4297.	1.7	7
65	Meningococcal serogroup Y lpxL1 variants from South Africa are associated with clonal complex 23 among young adults. <i>Journal of Infection</i> , 2014, 68, 455-461.	1.7	6
66	Parainfluenza Virus Infection Among Human Immunodeficiency Virus (HIV)-Infected and HIV-Uninfected Children and Adults Hospitalized for Severe Acute Respiratory Illness in South Africa, 2009–2014. <i>Open Forum Infectious Diseases</i> , 2015, 2, ofv139.	0.4	6
67	Influenza economic burden among potential target risk groups for immunization in South Africa, 2013–2015. <i>Vaccine</i> , 2020, 38, 7007-7014.	1.7	4
68	A <i>Streptococcus pneumoniae</i> lineage usually associated with pneumococcal conjugate vaccine (PCV) serotypes is the most common cause of serotype 35B invasive disease in South Africa, following routine use of PCV. <i>Microbial Genomics</i> , 2022, 8, .	1.0	4
69	Can pneumococcal meningitis surveillance be used to assess the impact of pneumococcal conjugate vaccine on total invasive pneumococcal disease? A case-study from South Africa, 2005–2016. <i>Vaccine</i> , 2019, 37, 5724-5730.	1.7	3
70	Mortality in children aged <5 years with severe acute respiratory illness in a high HIV-prevalence urban and rural areas of South Africa, 2009–2013. <i>PLoS ONE</i> , 2021, 16, e0255941.	1.1	3
71	Two cases of serotypeable and non-serotypeable variants of <i>Streptococcus pneumoniae</i> detected simultaneously during invasive disease. <i>BMC Microbiology</i> , 2016, 16, 126.	1.3	2
72	Meningitis: a frequently fatal diagnosis in Africa. <i>Lancet Infectious Diseases</i> , The, 2019, 19, 676-678.	4.6	2

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73	Cytokine response in cerebrospinal fluid of meningitis patients and outcome associated with pneumococcal serotype. <i>Scientific Reports</i> , 2021, 11, 19920.	1.6	2
74	Unmasking Pneumococcal Carriage in a High Human Immunodeficiency Virus (HIV) Prevalence Population in two Community Cohorts in South Africa, 2016â€“2018: The PHIRST Study. <i>Clinical Infectious Diseases</i> , 2023, 76, e710-e717.	2.9	2
75	Genomic differences among carriage and invasive nontypeable pneumococci circulating in South Africa. <i>Microbial Genomics</i> , 2019, 5, .	1.0	0