Michelle J Groome

List of Publications by Year
in descending order

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94 papers	8,074 citations	117625 34 h-index	58581 82 g-index
99 all docs	99 docs citations	99 times ranked	9173 citing authors

#	Article	IF	Citations
1	Global, regional, and national disease burden estimates of acute lower respiratory infections due to respiratory syncytial virus in young children in 2015: a systematic review and modelling study. Lancet, The, 2017, 390, 946-958.	13.7	1,634
2	Early assessment of the clinical severity of the SARS-CoV-2 omicron variant in South Africa: a data linkage study. Lancet, The, 2022, 399, 437-446.	13.7	818
3	Duration of effectiveness of vaccines against SARS-CoV-2 infection and COVID-19 disease: results of a systematic review and meta-regression. Lancet, The, 2022, 399, 924-944.	13.7	752
4	Increased risk of SARS-CoV-2 reinfection associated with emergence of Omicron in South Africa. Science, 2022, 376, eabn4947.	12.6	651
5	Causes of severe pneumonia requiring hospital admission in children without HIV infection from Africa and Asia: the PERCH multi-country case-control study. Lancet, The, 2019, 394, 757-779.	13.7	569
6	Global burden of respiratory infections associated with seasonal influenza in children under 5 years in 2018: a systematic review and modelling study. The Lancet Global Health, 2020, 8, e497-e510.	6.3	235
7	Global respiratory syncytial virus-associated mortality in young children (RSV GOLD): a retrospective case series. The Lancet Global Health, 2017, 5, e984-e991.	6.3	180
8	High Nasopharyngeal Pneumococcal Density, Increased by Viral Coinfection, Is Associated With Invasive Pneumococcal Pneumonia. Journal of Infectious Diseases, 2014, 210, 1649-1657.	4.0	163
9	Respiratory Viral Coinfections Identified by a 10-Plex Real-Time Reverse-Transcription Polymerase Chain Reaction Assay in Patients Hospitalized With Severe Acute Respiratory Illnessâ€"South Africa, 2009â€"2010. Journal of Infectious Diseases, 2012, 206, S159-S165.	4.0	126
10	Effectiveness of monovalent human rotavirus vaccine against admission to hospital for acute rotavirus diarrhoea in South African children: a case-control study. Lancet Infectious Diseases, The, 2014, 14, 1096-1104.	9.1	119
11	Safety and immunogenicity of a parenteral P2-VP8-P[8] subunit rotavirus vaccine in toddlers and infants in South Africa: a randomised, double-blind, placebo-controlled trial. Lancet Infectious Diseases, The, 2017, 17, 843-853.	9.1	109
12	Epidemiology of Acute Lower Respiratory Tract Infection in HIV-Exposed Uninfected Infants. Pediatrics, 2016, 137, .	2.1	96
13	Density of Upper Respiratory Colonization With Streptococcus pneumoniae and Its Role in the Diagnosis of Pneumococcal Pneumonia Among Children Aged <5 Years in the PERCH Study. Clinical Infectious Diseases, 2017, 64, S317-S327.	5.8	96
14	Effect of breastfeeding on immunogenicity of oral live-attenuated human rotavirus vaccine: a randomized trial in HIV-uninfected infants in Soweto, South Africa. Bulletin of the World Health Organization, 2014, 92, 238-245.	3.3	81
15	Is Higher Viral Load in the Upper Respiratory Tract Associated With Severe Pneumonia? Findings From the PERCH Study. Clinical Infectious Diseases, 2017, 64, S337-S346.	5.8	81
16	Case-control vaccine effectiveness studies: Preparation, design, and enrollment of cases and controls. Vaccine, 2017, 35, 3295-3302.	3.8	77
17	Chlorhexidine maternal-vaginal and neonate body wipes in sepsis and vertical transmission of pathogenic bacteria in South Africa: a randomised, controlled trial. Lancet, The, 2009, 374, 1909-1916.	13.7	76
18	Epidemiology of Respiratory Syncytial Virus-Associated Acute Lower Respiratory Tract Infection Hospitalizations Among HIV-Infected and HIV-Uninfected South African Children, 2010-2011. Journal of Infectious Diseases, 2013, 208, S217-S226.	4.0	76

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19	Impact of Rotavirus Vaccine on Childhood Diarrheal Hospitalization After Introduction Into the South African Public Immunization Program. Pediatric Infectious Disease Journal, 2013, 32, 1359-1364.	2.0	70
20	Mortality amongst Patients with Influenza-Associated Severe Acute Respiratory Illness, South Africa, 2009-2013. PLoS ONE, 2015, 10, e0118884.	2.5	68
21	Prevaccination Rotavirus Serum IgG and IgA Are Associated With Lower Immunogenicity of Live, Oral Human Rotavirus Vaccine in South African Infants. Clinical Infectious Diseases, 2016, 62, 157-165.	5.8	66
22	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. Pediatric Infectious Disease Journal, 2015, 34, 66-72.	2.0	65
23	Increased Risk for Group BStreptococcusSepsis in Young Infants Exposed to HIV, Soweto, South Africa, 2004â€“20081. Emerging Infectious Diseases, 2015, 21, 638-645.	4.3	61
24	Risk Factors for Neonatal Sepsis and Perinatal Death Among Infants Enrolled in the Prevention of Perinatal Sepsis Trial, Soweto, South Africa. Pediatric Infectious Disease Journal, 2012, 31, 821-826.	2.0	60
25	Influenza virus infection is associated with increased risk of death amongst patients hospitalized with confirmed pulmonary tuberculosis in South Africa, 2010â€“2011. BMC Infectious Diseases, 2015, 15, 26.	2.9	56
26	Chest Radiograph Findings in Childhood Pneumonia Cases From the Multisite PERCH Study. Clinical Infectious Diseases, 2017, 64, S262-S270.	5.8	56
27	Epidemiology of Influenza Virus Types and Subtypes in South Africa, 2009â€“20121. Emerging Infectious Diseases, 2014, 20, 1149-1156.	4.3	52
28	Safety and immunogenicity of a parenteral trivalent P2-VP8 subunit rotavirus vaccine: a multisite, randomised, double-blind, placebo-controlled trial. Lancet Infectious Diseases, The, 2020, 20, 851-863.	9.1	51
29	Effectiveness of the Ad26.COV2.S vaccine in health-care workers in South Africa (the Sisonke study): results from a single-arm, open-label, phase 3B, implementation study. Lancet, The, 2022, 399, 1141-1153.	13.7	51
30	Colonization Density of the Upper Respiratory Tract as a Predictor of Pneumoniaâ€"Haemophilus influenzae, Moraxella catarrhalis, Staphylococcus aureus, and Pneumocystis jirovecii. Clinical Infectious Diseases, 2017, 64, S328-S336.	5.8	49
31	Maternal HIV Infection and Vertical Transmission of Pathogenic Bacteria. Pediatrics, 2012, 130, e581-e590.	2.1	45
32	Epidemiology of Severe Acute Respiratory Illness (SARI) among Adults and Children Aged â‰¥5 Years in a High HIV-Prevalence Setting, 2009â€“2012. PLoS ONE, 2015, 10, e0117716.	2.5	43
33	Immunogenicity and Safety of an Investigational Fully Liquid Hexavalent Combination Vaccine Versus Licensed Combination Vaccines at 6, 10, and 14 Weeks of Age in Healthy South African Infants. Pediatric Infectious Disease Journal, 2011, 30, e68-e74.	2.0	42
34	Temporal Association of Rotavirus Vaccine Introduction and Reduction in All-Cause Childhood Diarrheal Hospitalizations in South Africa. Clinical Infectious Diseases, 2016, 62, S188-S195.	5.8	42
35	Global Review of the Age Distribution of Rotavirus Disease in Children Aged <5 Years Before the Introduction of Rotavirus Vaccination. Clinical Infectious Diseases, 2019, 69, 1071-1078.	5.8	38
36	Evaluation of Intussusception After Oral Monovalent Rotavirus Vaccination in South Africa. Clinical Infectious Diseases, 2020, 70, 1606-1612.	5.8	37

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37	Community-onsetStaphylococcus aureusbacteraemia in hospitalised African children: high incidence in HIV-infected children and high prevalence of multidrug resistance. Paediatrics and International Child Health, 2012, 32, 140-146.	1.0	36
38	Acquisition of Streptococcus pneumoniae in Pneumococcal Conjugate Vaccine-naÃ¯ve South African Children and Their Mothers. Pediatric Infectious Disease Journal, 2013, 32, e192-e205.	2.0	35
39	Five-year cohort study on the burden of hospitalisation for acute diarrhoeal disease in African HIV-infected and HIV-uninfected children: Potential benefits of rotavirus vaccine. Vaccine, 2012, 30, A173-A178.	3.8	34
40	Sapovirus prevalence in children less than five years of age hospitalised for diarrhoeal disease in South Africa, 2009â€"2013. Journal of Clinical Virology, 2016, 78, 82-88.	3.1	34
41	Severity of Respiratory Syncytial Virus Lower Respiratory Tract Infection With Viral Coinfection in HIV-Uninfected Children. Clinical Infectious Diseases, 2017, 64, ciw756.	5.8	33
42	Effectiveness of pneumococcal conjugate vaccine against presumed bacterial pneumonia hospitalisation in HIV-uninfected South African children: a caseâ€"control study. Thorax, 2015, 70, 1149-1155.	5.6	32
43	Microscopic Analysis and Quality Assessment of Induced Sputum From Children With Pneumonia in the PERCH Study. Clinical Infectious Diseases, 2017, 64, S271-S279.	5.8	32
44	Case-control vaccine effectiveness studies: Data collection, analysis and reporting results. Vaccine, 2017, 35, 3303-3308.	3.8	31
45	Limited Utility of Polymerase Chain Reaction in Induced Sputum Specimens for Determining the Causes of Childhood Pneumonia in Resource-Poor Settings: Findings From the Pneumonia Etiology Research for Child Health (PERCH) Study. Clinical Infectious Diseases, 2017, 64, S289-S300.	5.8	31
46	HIV and Influenza Virus Infections Are Associated With Increased Blood Pneumococcal Load: A Prospective, Hospital-Based Observational Study in South Africa, 2009-2011. Journal of Infectious Diseases, 2014, 209, 56-65.	4.0	30
47	Evaluation of Pneumococcal Load in Blood by Polymerase Chain Reaction for the Diagnosis of Pneumococcal Pneumonia in Young Children in the PERCH Study. Clinical Infectious Diseases, 2017, 64, S357-S367.	5.8	30
48	Determining the Provincial and National Burden of Influenza-Associated Severe Acute Respiratory Illness in South Africa Using a Rapid Assessment Methodology. PLoS ONE, 2015, 10, e0132078.	2.5	27
49	Standardization of Clinical Assessment and Sample Collection Across All PERCH Study Sites. Clinical Infectious Diseases, 2017, 64, S228-S237.	5.8	27
50	Performance of Surveillance Case Definitions in Detecting Respiratory Syncytial Virus Infection Among Young Children Hospitalized With Severe Respiratory Illnessâ€"South Africa, 2009â€"2014. Journal of the Pediatric Infectious Diseases Society, 2019, 8, 325-333.	1.3	27
51	Should Controls With Respiratory Symptoms Be Excluded From Case-Control Studies of Pneumonia Etiology? Reflections From the PERCH Study. Clinical Infectious Diseases, 2017, 64, S205-S212.	5.8	25
52	Enhancing global vaccine pharmacovigilance: Proof-of-concept study on aseptic meningitis and immune thrombocytopenic purpura following measles-mumps containing vaccination. Vaccine, 2018, 36, 347-354.	3.8	25
53	Prevalence of Congenital Cytomegalovirus Infection and Associated Risk of In Utero Human Immunodeficiency Virus (HIV) Acquisition in a High-HIV Prevalence Setting, South Africa. Clinical Infectious Diseases, 2019, 69, 1789-1796.	5.8	24
54	Respiratory syncytial virus in adults with severe acute respiratory illness in a high HIV prevalence setting. Journal of Infection, 2017, 75, 346-355.	3.3	23

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55	Systematic Review on the Etiology and Antibiotic Treatment of Pneumonia in Human Immunodeficiency Virus-infected Children. Pediatric Infectious Disease Journal, 2011, 30, e192-e202.	2.0	22
56	Antibody Persistence and Booster Vaccination of a Fully Liquid Hexavalent Vaccine Coadministered With Measles/Mumps/Rubella and Varicella Vaccines at 15â€"18 Months of Age in Healthy South African Infants. Pediatric Infectious Disease Journal, 2013, 32, 889-897.	2.0	22
57	Human metapneumovirus-associated severe acute respiratory illness hospitalisation in HIV-infected and HIV-uninfected South African children and adults. Journal of Clinical Virology, 2015, 69, 125-132.	3.1	19
58	Pneumococcal conjugate vaccines and hospitalization of children for pneumonia: a time-series analysis, South Africa, 2006â€"2014. Bulletin of the World Health Organization, 2017, 95, 618-628.	3.3	19
59	Immunogenicity and safety of an acellular pertussis, diphtheria, tetanus, inactivated poliovirus, Hib-conjugate combined vaccine (PentaximTM) and monovalent hepatitis B vaccine at 6, 10 and 14 months of age in infants in South Africa. South African Medical Journal, 2011, 101, 126.	0.6	18
60	Assessing the impact of pneumococcal conjugate vaccines on invasive pneumococcal disease using polymerase chain reaction-based surveillance: an experience from South Africa. BMC Infectious Diseases, 2015, 15, 450.	2.9	17
61	Risk Factors for Presumed Bacterial Pneumonia Among HIV-uninfected Children Hospitalized in Soweto, South Africa. Pediatric Infectious Disease Journal, 2016, 35, 1169-1174.	2.0	17
62	Safety of Induced Sputum Collection in Children Hospitalized With Severe or Very Severe Pneumonia. Clinical Infectious Diseases, 2017, 64, S301-S308.	5.8	17
63	Epidemiology of human astroviruses among children younger than 5 years: Prospective hospitalâ€based sentinel surveillance in South Africa, 2009â€2014. Journal of Medical Virology, 2019, 91, 225-234.	5.0	16
64	Acquisition of Streptococcus pneumoniae in South African children vaccinated with 7-valent pneumococcal conjugate vaccine at 6, 14 and 40 weeks of age. Vaccine, 2015, 33, 628-634.	3.8	15
65	Immunogenicity of Seven-Valent Pneumococcal Conjugate Vaccine Administered at 6, 14 and 40 Weeks of Age in South African Infants. PLoS ONE, 2013, 8, e72794.	2.5	14
66	FUT2 Secretor Status Influences Susceptibility to VP4 Strain-Specific Rotavirus Infections in South African Children. Pathogens, 2020, 9, 795.	2.8	12
67	In Utero Human Cytomegalovirus Infection Is Associated With Increased Levels of Putatively Protective Maternal Antibodies in Nonprimary Infection: Evidence for Boosting but Not Protection. Clinical Infectious Diseases, 2021, 73, e981-e987.	5.8	12
68	Epidemiology of Acute Osteoarticular Sepsis in a Setting With a High Prevalence of Pediatric HIV Infection. Journal of Pediatric Orthopaedics, 2012, 32, 215-219.	1.2	11
69	Operational lessons learned in conducting a multi-country collaboration for vaccine safety signal verification and hypothesis testing: The global vaccine safety multi country collaboration initiative. Vaccine, 2018, 36, 355-362.	3.8	11
70	Norovirus epidemiology in South African children <5 years hospitalised for diarrhoeal illness between 2009 and 2013. Epidemiology and Infection, 2017, 145, 1942-1952.	2.1	10
71	Measuring Rotavirus Vaccine Impact in Sub-Saharan Africa. Clinical Infectious Diseases, 2020, 70, 2314-2316.	5.8	8
72	Clinical presentation and management of childhood intussusception in South Africa. Pediatric Surgery International, 2021, 37, 1361-1370.	1.4	8

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73	Use of Multiplex Quantitative PCR To Evaluate the Impact of Pneumococcal Conjugate Vaccine on Nasopharyngeal Pneumococcal Colonization in African Children. MSphere, 2017, 2, .	2.9	7
74	Parainfluenza Virus Infection Among Human Immunodeficiency Virus (HIV)-Infected and HIV-Uninfected Children and Adults Hospitalized for Severe Acute Respiratory Illness in South Africa, 2009â€"2014. Open Forum Infectious Diseases, 2015, 2, ofv139.	0.9	6
75	A decade of rotavirus vaccination in Africa - Saving lives and changing the face of diarrhoeal diseases: Report of the 12th African Rotavirus Symposium. Vaccine, 2021, 39, 2319-2324.	3.8	6
76	Understanding the full clinical spectrum of childhood diarrhoea in low-income and middle-income countries. The Lancet Global Health, 2019, 7, e534-e535.	6.3	5
77	HLA antibody repertoire in infants suggests selectivity in transplacental crossing. American Journal of Reproductive Immunology, 2020, 84, e13264.	1.2	5
78	The intersection of age, sex, race and socio-economic status in COVID-19 hospital admissions and deaths in South Africa (with corrigendum). South African Journal of Science, 2022, 118, .	0.7	5
79	Neurological and growth outcomes in South African children with congenital cytomegalovirus: A cohort study. PLoS ONE, 2020, 15, e0238102.	2.5	4
80	Rotavirus Vaccine. Pediatric Infectious Disease Journal, 2017, 36, 676-678.	2.0	3
81	Development of a respiratory severity score for hospitalized adults in a high HIV-prevalence settingâ€"South Africa, 2010â€"2011. BMC Pulmonary Medicine, 2017, 17, 28.	2.0	3
82	Extraspinal osteoarticular multidrug-resistant tuberculosis in children: A case series. South African Medical Journal, 2017, 107, 983.	0.6	3
83	Epidemiology of invasive bacterial infections in pneumococcal conjugate vaccine-vaccinated and -unvaccinated children under 5 years of age in Soweto, South Africa: a cohort study from a high-HIV burden setting. Paediatrics and International Child Health, 2020, 40, 50-57.	1.0	3
84	Diarrhoeal diseases in Soweto, South Africa, 2020: a cross-sectional community survey. BMC Public Health, 2021, 21, 1431.	2.9	3
85	Mortality in children aged <5 years with severe acute respiratory illness in a high HIV-prevalence urban and rural areas of South Africa, 2009â€"2013. PLoS ONE, 2021, 16, e0255941.	2.5	3
86	TLR genetic variation is associated with Rotavirusâ€"specific IgA seroconversion in South African Black infants after two doses of Rotarix vaccine. Vaccine, 2021, 39, 7028-7035.	3.8	3
87	Neutrophil Counts in Healthy South African Infants: Implications for Enrollment and Adverse Event Grading in Clinical Trials in an African Setting. Journal of Pediatrics: X, 2019, 1, 100005.	1.1	2
88	Effect of cytomegalovirus infection on humoral immune responses to select vaccines administered during infancy. Vaccine, 2021, 39, 4793-4799.	3.8	2
89	Antibiotic and systemic therapies for pneumonia in human immunodeficiency virus (HIV)-infected and HIV-exposed children. Journal of Infection in Developing Countries, 2012, 6, 109-119.	1.2	2
90	The Burden of Acute Diarrheal Disease in Young Hospitalized Urban South African Children Five Years After Rotavirus Vaccine Introduction: A Retrospective Descriptive Study. Pediatric Infectious Disease Journal, 2019, 38, 752-756.	2.0	1

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91	Identifying gaps in hand hygiene practice to support tailored target audience messaging in Soweto: A cross-sectional community survey. Southern African Journal of Infectious Diseases, 2022, 37, 339.	0.5	1
92	Chlorhexidine Maternal-Vaginal and Neonate Body Wipes in Sepsis and Vertical Transmission of Pathogenic Bacteria in South Africa: A Randomized, Controlled Trial. Obstetrical and Gynecological Survey, 2010, 65, 215-216.	0.4	0
93	Winning the Battle Against Rotavirus Diarrheaâ€¦One Step at a Time. Journal of Infectious Diseases, 2020, 222, 1587-1588.	4.0	0
94	Cytokine profiles in children with acute intussusception in South Africa. Cytokine, 2021, 146, 155639.	3.2	0