

Michelle J Groome

List of Publications by Year in descending order

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Version: 2024-02-01

94
papers

8,074
citations

134610

34
h-index

66518

82
g-index

99
all docs

99
docs citations

99
times ranked

9694
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. <i>Lancet, The</i> , 2017, 390, 946-958. | 6.3 | 1,634 |
| 2 | 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 |
| 3 | Duration of effectiveness of vaccines against SARS-CoV-2 infection and COVID-19 disease: results of a systematic review and meta-regression. <i>Lancet, The</i> , 2022, 399, 924-944. | 6.3 | 752 |
| 4 | Increased risk of SARS-CoV-2 reinfection associated with emergence of Omicron in South Africa. <i>Science</i> , 2022, 376, eabn4947. | 6.0 | 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. <i>Lancet, The</i> , 2019, 394, 757-779. | 6.3 | 569 |
| 6 | Global burden of respiratory infections associated with seasonal influenza in children under 5 years in 2018: a systematic review and modelling study. <i>The Lancet Global Health</i> , 2020, 8, e497-e510. | 2.9 | 235 |
| 7 | Global respiratory syncytial virus-associated mortality in young children (RSV GOLD): a retrospective case series. <i>The Lancet Global Health</i> , 2017, 5, e984-e991. | 2.9 | 180 |
| 8 | 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 |
| 9 | Respiratory Viral Coinfections Identified by a 10-Plex Real-Time Reverse-Transcription Polymerase Chain Reaction Assay in Patients Hospitalized With Severe Acute Respiratory Illness—South Africa, 2009–2010. <i>Journal of Infectious Diseases</i> , 2012, 206, S159-S165. | 1.9 | 126 |
| 10 | Effectiveness of monovalent human rotavirus vaccine against admission to hospital for acute rotavirus diarrhoea in South African children: a case-control study. <i>Lancet Infectious Diseases, The</i> , 2014, 14, 1096-1104. | 4.6 | 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. <i>Lancet Infectious Diseases, The</i> , 2017, 17, 843-853. | 4.6 | 109 |
| 12 | Epidemiology of Acute Lower Respiratory Tract Infection in HIV-Exposed Uninfected Infants. <i>Pediatrics</i> , 2016, 137, . | 1.0 | 96 |
| 13 | Density of Upper Respiratory Colonization With <i>Streptococcus pneumoniae</i> and Its Role in the Diagnosis of Pneumococcal Pneumonia Among Children Aged ≤ 5 Years in the PERCH Study. <i>Clinical Infectious Diseases</i> , 2017, 64, S317-S327. | 2.9 | 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. <i>Bulletin of the World Health Organization</i> , 2014, 92, 238-245. | 1.5 | 81 |
| 15 | Is Higher Viral Load in the Upper Respiratory Tract Associated With Severe Pneumonia? Findings From the PERCH Study. <i>Clinical Infectious Diseases</i> , 2017, 64, S337-S346. | 2.9 | 81 |
| 16 | Case-control vaccine effectiveness studies: Preparation, design, and enrollment of cases and controls. <i>Vaccine</i> , 2017, 35, 3295-3302. | 1.7 | 77 |
| 17 | Chlorhexidine maternal-vaginal and neonate body wipes in sepsis and vertical transmission of pathogenic bacteria in South Africa: a randomised, controlled trial. <i>Lancet, The</i> , 2009, 374, 1909-1916. | 6.3 | 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. <i>Journal of Infectious Diseases</i> , 2013, 208, S217-S226. | 1.9 | 76 |

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|----|---|-----|-----------|
| 19 | Impact of Rotavirus Vaccine on Childhood Diarrheal Hospitalization After Introduction Into the South African Public Immunization Program. <i>Pediatric Infectious Disease Journal</i> , 2013, 32, 1359-1364. | 1.1 | 70 |
| 20 | Mortality amongst Patients with Influenza-Associated Severe Acute Respiratory Illness, South Africa, 2009-2013. <i>PLoS ONE</i> , 2015, 10, e0118884. | 1.1 | 68 |
| 21 | Prevaccination Rotavirus Serum IgG and IgA Are Associated With Lower Immunogenicity of Live, Oral Human Rotavirus Vaccine in South African Infants. <i>Clinical Infectious Diseases</i> , 2016, 62, 157-165. | 2.9 | 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, 2009-2012. <i>Pediatric Infectious Disease Journal</i> , 2015, 34, 66-72. | 1.1 | 65 |
| 23 | Increased Risk for Group B <i>Streptococcus</i> Sepsis in Young Infants Exposed to HIV, Soweto, South Africa, 2004-2008. <i>Emerging Infectious Diseases</i> , 2015, 21, 638-645. | 2.0 | 61 |
| 24 | Risk Factors for Neonatal Sepsis and Perinatal Death Among Infants Enrolled in the Prevention of Perinatal Sepsis Trial, Soweto, South Africa. <i>Pediatric Infectious Disease Journal</i> , 2012, 31, 821-826. | 1.1 | 60 |
| 25 | Influenza virus infection is associated with increased risk of death amongst patients hospitalized with confirmed pulmonary tuberculosis in South Africa, 2010-2011. <i>BMC Infectious Diseases</i> , 2015, 15, 26. | 1.3 | 56 |
| 26 | Chest Radiograph Findings in Childhood Pneumonia Cases From the Multisite PERCH Study. <i>Clinical Infectious Diseases</i> , 2017, 64, S262-S270. | 2.9 | 56 |
| 27 | Epidemiology of Influenza Virus Types and Subtypes in South Africa, 2009-2012. <i>Emerging Infectious Diseases</i> , 2014, 20, 1149-1156. | 2.0 | 52 |
| 28 | Safety and immunogenicity of a parenteral trivalent P2-VP8 subunit rotavirus vaccine: a multisite, randomised, double-blind, placebo-controlled trial. <i>Lancet Infectious Diseases</i> , 2020, 20, 851-863. | 4.6 | 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. <i>Lancet</i> , 2022, 399, 1141-1153. | 6.3 | 51 |
| 30 | Colonization Density of the Upper Respiratory Tract as a Predictor of Pneumonia-Associated Haemophilus influenzae, Moraxella catarrhalis, Staphylococcus aureus, and Pneumocystis jirovecii. <i>Clinical Infectious Diseases</i> , 2017, 64, S328-S336. | 2.9 | 49 |
| 31 | Maternal HIV Infection and Vertical Transmission of Pathogenic Bacteria. <i>Pediatrics</i> , 2012, 130, e581-e590. | 1.0 | 45 |
| 32 | Epidemiology of Severe Acute Respiratory Illness (SARI) among Adults and Children Aged ≥ 5 Years in a High HIV-Prevalence Setting, 2009-2012. <i>PLoS ONE</i> , 2015, 10, e0117716. | 1.1 | 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. <i>Pediatric Infectious Disease Journal</i> , 2011, 30, e68-e74. | 1.1 | 42 |
| 34 | Temporal Association of Rotavirus Vaccine Introduction and Reduction in All-Cause Childhood Diarrheal Hospitalizations in South Africa. <i>Clinical Infectious Diseases</i> , 2016, 62, S188-S195. | 2.9 | 42 |
| 35 | Global Review of the Age Distribution of Rotavirus Disease in Children Aged ≤ 5 Years Before the Introduction of Rotavirus Vaccination. <i>Clinical Infectious Diseases</i> , 2019, 69, 1071-1078. | 2.9 | 38 |
| 36 | Evaluation of Intussusception After Oral Monovalent Rotavirus Vaccination in South Africa. <i>Clinical Infectious Diseases</i> , 2020, 70, 1606-1612. | 2.9 | 37 |

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|----|--|-----|-----------|
| 37 | Community-onset <i>Staphylococcus aureus</i> bacteraemia in hospitalised African children: high incidence in HIV-infected children and high prevalence of multidrug resistance. <i>Paediatrics and International Child Health</i> , 2012, 32, 140-146. | 0.3 | 36 |
| 38 | 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 |
| 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. <i>Vaccine</i> , 2012, 30, A173-A178. | 1.7 | 34 |
| 40 | Sapovirus prevalence in children less than five years of age hospitalised for diarrhoeal disease in South Africa, 2009–2013. <i>Journal of Clinical Virology</i> , 2016, 78, 82-88. | 1.6 | 34 |
| 41 | Severity of Respiratory Syncytial Virus Lower Respiratory Tract Infection With Viral Coinfection in HIV-Uninfected Children. <i>Clinical Infectious Diseases</i> , 2017, 64, ciw756. | 2.9 | 33 |
| 42 | Effectiveness of pneumococcal conjugate vaccine against presumed bacterial pneumonia hospitalisation in HIV-uninfected South African children: a case–control study. <i>Thorax</i> , 2015, 70, 1149-1155. | 2.7 | 32 |
| 43 | Microscopic Analysis and Quality Assessment of Induced Sputum From Children With Pneumonia in the PERCH Study. <i>Clinical Infectious Diseases</i> , 2017, 64, S271-S279. | 2.9 | 32 |
| 44 | Case-control vaccine effectiveness studies: Data collection, analysis and reporting results. <i>Vaccine</i> , 2017, 35, 3303-3308. | 1.7 | 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. <i>Clinical Infectious Diseases</i> , 2017, 64, S289-S300. | 2.9 | 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. <i>Journal of Infectious Diseases</i> , 2014, 209, 56-65. | 1.9 | 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. <i>Clinical Infectious Diseases</i> , 2017, 64, S357-S367. | 2.9 | 30 |
| 48 | Determining the Provincial and National Burden of Influenza-Associated Severe Acute Respiratory Illness in South Africa Using a Rapid Assessment Methodology. <i>PLoS ONE</i> , 2015, 10, e0132078. | 1.1 | 27 |
| 49 | Standardization of Clinical Assessment and Sample Collection Across All PERCH Study Sites. <i>Clinical Infectious Diseases</i> , 2017, 64, S228-S237. | 2.9 | 27 |
| 50 | Performance of Surveillance Case Definitions in Detecting Respiratory Syncytial Virus Infection Among Young Children Hospitalized With Severe Respiratory Illness—South Africa, 2009–2014. <i>Journal of the Pediatric Infectious Diseases Society</i> , 2019, 8, 325-333. | 0.6 | 27 |
| 51 | Should Controls With Respiratory Symptoms Be Excluded From Case-Control Studies of Pneumonia Etiology? Reflections From the PERCH Study. <i>Clinical Infectious Diseases</i> , 2017, 64, S205-S212. | 2.9 | 25 |
| 52 | Enhancing global vaccine pharmacovigilance: Proof-of-concept study on aseptic meningitis and immune thrombocytopenic purpura following measles-mumps containing vaccination. <i>Vaccine</i> , 2018, 36, 347-354. | 1.7 | 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. <i>Clinical Infectious Diseases</i> , 2019, 69, 1789-1796. | 2.9 | 24 |
| 54 | Respiratory syncytial virus in adults with severe acute respiratory illness in a high HIV prevalence setting. <i>Journal of Infection</i> , 2017, 75, 346-355. | 1.7 | 23 |

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|----|--|-----|-----------|
| 55 | Systematic Review on the Etiology and Antibiotic Treatment of Pneumonia in Human Immunodeficiency Virus-infected Children. <i>Pediatric Infectious Disease Journal</i> , 2011, 30, e192-e202. | 1.1 | 22 |
| 56 | Antibody Persistence and Booster Vaccination of a Fully Liquid Hexavalent Vaccine Coadministered With Measles/Mumps/Rubella and Varicella Vaccines at 15–18 Months of Age in Healthy South African Infants. <i>Pediatric Infectious Disease Journal</i> , 2013, 32, 889-897. | 1.1 | 22 |
| 57 | 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 |
| 58 | Pneumococcal conjugate vaccines and hospitalization of children for pneumonia: a time-series analysis, South Africa, 2006–2014. <i>Bulletin of the World Health Organization</i> , 2017, 95, 618-628. | 1.5 | 19 |
| 59 | Immunogenicity and safety of an acellular pertussis, diphtheria, tetanus, inactivated poliovirus, Hib-conjugate combined vaccine (Pentaxim™) and monovalent hepatitis B vaccine at 6, 10 and 14 months of age in infants in South Africa. <i>South African Medical Journal</i> , 2011, 101, 126. | 0.2 | 18 |
| 60 | Assessing the impact of pneumococcal conjugate vaccines on invasive pneumococcal disease using polymerase chain reaction-based surveillance: an experience from South Africa. <i>BMC Infectious Diseases</i> , 2015, 15, 450. | 1.3 | 17 |
| 61 | Risk Factors for Presumed Bacterial Pneumonia Among HIV-uninfected Children Hospitalized in Soweto, South Africa. <i>Pediatric Infectious Disease Journal</i> , 2016, 35, 1169-1174. | 1.1 | 17 |
| 62 | Safety of Induced Sputum Collection in Children Hospitalized With Severe or Very Severe Pneumonia. <i>Clinical Infectious Diseases</i> , 2017, 64, S301-S308. | 2.9 | 17 |
| 63 | Epidemiology of human astroviruses among children younger than 5 years: Prospective hospital-based sentinel surveillance in South Africa, 2009–2014. <i>Journal of Medical Virology</i> , 2019, 91, 225-234. | 2.5 | 16 |
| 64 | 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 |
| 65 | Immunogenicity of Seven-Valent Pneumococcal Conjugate Vaccine Administered at 6, 14 and 40 Weeks of Age in South African Infants. <i>PLoS ONE</i> , 2013, 8, e72794. | 1.1 | 14 |
| 66 | FUT2 Secretor Status Influences Susceptibility to VP4 Strain-Specific Rotavirus Infections in South African Children. <i>Pathogens</i> , 2020, 9, 795. | 1.2 | 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. <i>Clinical Infectious Diseases</i> , 2021, 73, e981-e987. | 2.9 | 12 |
| 68 | Epidemiology of Acute Osteoarticular Sepsis in a Setting With a High Prevalence of Pediatric HIV Infection. <i>Journal of Pediatric Orthopaedics</i> , 2012, 32, 215-219. | 0.6 | 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. <i>Vaccine</i> , 2018, 36, 355-362. | 1.7 | 11 |
| 70 | Norovirus epidemiology in South African children <5 years hospitalised for diarrhoeal illness between 2009 and 2013. <i>Epidemiology and Infection</i> , 2017, 145, 1942-1952. | 1.0 | 10 |
| 71 | Measuring Rotavirus Vaccine Impact in Sub-Saharan Africa. <i>Clinical Infectious Diseases</i> , 2020, 70, 2314-2316. | 2.9 | 8 |
| 72 | Clinical presentation and management of childhood intussusception in South Africa. <i>Pediatric Surgery International</i> , 2021, 37, 1361-1370. | 0.6 | 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. <i>MSphere</i> , 2017, 2, . | 1.3 | 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. <i>Open Forum Infectious Diseases</i> , 2015, 2, ofv139. | 0.4 | 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. <i>Vaccine</i> , 2021, 39, 2319-2324. | 1.7 | 6 |
| 76 | Understanding the full clinical spectrum of childhood diarrhoea in low-income and middle-income countries. <i>The Lancet Global Health</i> , 2019, 7, e534-e535. | 2.9 | 5 |
| 77 | HLA antibody repertoire in infants suggests selectivity in transplacental crossing. <i>American Journal of Reproductive Immunology</i> , 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). <i>South African Journal of Science</i> , 2022, 118, . | 0.3 | 5 |
| 79 | Neurological and growth outcomes in South African children with congenital cytomegalovirus: A cohort study. <i>PLoS ONE</i> , 2020, 15, e0238102. | 1.1 | 4 |
| 80 | Rotavirus Vaccine. <i>Pediatric Infectious Disease Journal</i> , 2017, 36, 676-678. | 1.1 | 3 |
| 81 | Development of a respiratory severity score for hospitalized adults in a high HIV-prevalence settingâ€“South Africa, 2010â€“2011. <i>BMC Pulmonary Medicine</i> , 2017, 17, 28. | 0.8 | 3 |
| 82 | Extraspinal osteoarticular multidrug-resistant tuberculosis in children: A case series. <i>South African Medical Journal</i> , 2017, 107, 983. | 0.2 | 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. <i>Paediatrics and International Child Health</i> , 2020, 40, 50-57. | 0.3 | 3 |
| 84 | Diarrhoeal diseases in Soweto, South Africa, 2020: a cross-sectional community survey. <i>BMC Public Health</i> , 2021, 21, 1431. | 1.2 | 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. <i>PLoS ONE</i> , 2021, 16, e0255941. | 1.1 | 3 |
| 86 | TLR genetic variation is associated with Rotavirusâ€“specific IgA seroconversion in South African Black infants after two doses of Rotarix vaccine. <i>Vaccine</i> , 2021, 39, 7028-7035. | 1.7 | 3 |
| 87 | Neutrophil Counts in Healthy South African Infants: Implications for Enrollment and Adverse Event Grading in Clinical Trials in an African Setting. <i>Journal of Pediatrics: X</i> , 2019, 1, 100005. | 1.1 | 2 |
| 88 | Effect of cytomegalovirus infection on humoral immune responses to select vaccines administered during infancy. <i>Vaccine</i> , 2021, 39, 4793-4799. | 1.7 | 2 |
| 89 | Antibiotic and systemic therapies for pneumonia in human immunodeficiency virus (HIV)-infected and HIV-exposed children. <i>Journal of Infection in Developing Countries</i> , 2012, 6, 109-119. | 0.5 | 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. <i>Pediatric Infectious Disease Journal</i> , 2019, 38, 752-756. | 1.1 | 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. | 0.3 | 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. | 0.2 | 0 |
| 93 | Winning the Battle Against Rotavirus Diarrheaâ€¦ One Step at a Time. Journal of Infectious Diseases, 2020, 222, 1587-1588. | 1.9 | 0 |
| 94 | Cytokine profiles in children with acute intussusception in South Africa. Cytokine, 2021, 146, 155639. | 1.4 | 0 |