Michelle J Groome

List of Publications by Citations

93 papers	4,156 citations	33 h-index	63 g-index
99 ext. papers	6,354 ext. citations	9.2 avg, IF	4.42 L-index

#	Paper	IF	Citations
93	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	40	1005
92	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	40	282
91	Early assessment of the clinical severity of the SARS-CoV-2 omicron variant in South Africa: a data linkage study.. *Lancet, The*, **2022**,	40	152
90	Increased risk of SARS-CoV-2 reinfection associated with emergence of the Omicron variant in South Africa		143
89	Global respiratory syncytial virus-associated mortality in young children (RSV GOLD): a retrospective case series. *The Lancet Global Health*, **2017**, 5, e984-e991	13.6	130
88	High nasopharyngeal pneumococcal density, increased by viral coinfection, is associated with invasive pneumococcal pneumonia. *Journal of Infectious Diseases*, **2014**, 210, 1649-57	7	120
87	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. *Journal of Infectious Diseases*, **2012**, 206 Suppl 1, S159-65	7	112
86	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	25.5	107
85	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	13.6	105
84	Increased risk of SARS-CoV-2 reinfection associated with emergence of Omicron in South Africa.. *Science*, **2022**, 376, eabn4947	33.3	89
83	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**,	40	82
82	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	25.5	80
81	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, 1909-16	40	70
80	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, 238-45	8.2	67
79	Density of Upper Respiratory Colonization With Streptococcus pneumoniae and Its Role in the Diagnosis of Pneumococcal Pneumonia Among Children Aged . *Clinical Infectious Diseases*, **2017**, 64, S317-S327	11.6	65
78	Epidemiology of Acute Lower Respiratory Tract Infection in HIV-Exposed Uninfected Infants. *Pediatrics*, **2016**, 137,	7.4	60
77	Impact of rotavirus vaccine on childhood diarrheal hospitalization after introduction into the South African public immunization program. *Pediatric Infectious Disease Journal*, **2013**, 32, 1359-64	3.4	59

76	Mortality amongst patients with influenza-associated severe acute respiratory illness, South Africa, 2009-2013. *PLoS ONE*, **2015**, 10, e0118884	3.7	57
75	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	11.6	56
74	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 Suppl 3, S217-26	7	56
73	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, 157-65	11.6	54
72	Epidemiology of viral-associated acute lower respiratory tract infection among children . *Pediatric Infectious Disease Journal*, **2015**, 34, 66-72	3.4	50
71	Increased risk for group B Streptococcus sepsis in young infants exposed to HIV, Soweto, South Africa, 2004-2008(1). *Emerging Infectious Diseases*, **2015**, 21, 638-45	10.2	47
70	Epidemiology of influenza virus types and subtypes in South Africa, 2009-2012. *Emerging Infectious Diseases*, **2014**, 20, 1162-9	10.2	47
69	Chest Radiograph Findings in Childhood Pneumonia Cases From the Multisite PERCH Study. *Clinical Infectious Diseases*, **2017**, 64, S262-S270	11.6	44
68	Case-control vaccine effectiveness studies: Preparation, design, and enrollment of cases and controls. *Vaccine*, **2017**, 35, 3295-3302	4.1	41
67	Influenza virus infection is associated with increased risk of death amongst patients hospitalized with confirmed pulmonary tuberculosis in South Africa, 2010-2011. *BMC Infectious Diseases*, **2015**, 15, 26	4	41
66	Maternal HIV infection and vertical transmission of pathogenic bacteria. *Pediatrics*, **2012**, 130, e581-90	7.4	41
65	Temporal Association of Rotavirus Vaccine Introduction and Reduction in All-Cause Childhood Diarrheal Hospitalizations in South Africa. *Clinical Infectious Diseases*, **2016**, 62 Suppl 2, S188-95	11.6	39
64	Colonization Density of the Upper Respiratory Tract as a Predictor of Pneumonia-Haemophilus influenzae, Moraxella catarrhalis, Staphylococcus aureus, and Pneumocystis jirovecii. *Clinical Infectious Diseases*, **2017**, 64, S328-S336	11.6	39
63	Epidemiology of severe acute respiratory illness (SARI) among adults and children aged ≥5 years in a high HIV-prevalence setting, 2009-2012. *PLoS ONE*, **2015**, 10, e0117716	3.7	37
62	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, 821-6	3.4	37
61	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, e68-74	3.4	35
60	Community-onset Staphylococcus aureus bacteraemia in hospitalised African children: high incidence in HIV-infected children and high prevalence of multidrug resistance. *Paediatrics and International Child Health*, **2012**, 32, 140-6	1.4	32
59	Acquisition of Streptococcus pneumoniae in pneumococcal conjugate vaccine-naïve South African children and their mothers. *Pediatric Infectious Disease Journal*, **2013**, 32, e192-205	3.4	29

58	Effectiveness of pneumococcal conjugate vaccine against presumed bacterial pneumonia hospitalisation in HIV-uninfected South African children: a case-control study. *Thorax*, **2015**, 70, 1149-55	7.3	28
57	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	7	28
56	Sapovirus prevalence in children less than five years of age hospitalised for diarrhoeal disease in South Africa, 2009-2013. *Journal of Clinical Virology*, **2016**, 78, 82-8	14.5	28
55	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 Suppl 1, A173-8	4.1	27
54	Standardization of Clinical Assessment and Sample Collection Across All PERCH Study Sites. *Clinical Infectious Diseases*, **2017**, 64, S228-S237	11.6	25
53	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	11.6	25
52	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	25.5	24
51	Microscopic Analysis and Quality Assessment of Induced Sputum From Children With Pneumonia in the PERCH Study. *Clinical Infectious Diseases*, **2017**, 64, S271-S279	11.6	24
50	Severity of Respiratory Syncytial Virus Lower Respiratory Tract Infection With Viral Coinfection in HIV-Uninfected Children. *Clinical Infectious Diseases*, **2017**, 64, 443-450	11.6	23
49	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	11.6	21
48	Evaluation of Intussusception After Oral Monovalent Rotavirus Vaccination in South Africa. *Clinical Infectious Diseases*, **2020**, 70, 1606-1612	11.6	21
47	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	3.7	20
46	Systematic review on the etiology and antibiotic treatment of pneumonia in human immunodeficiency virus-infected children. *Pediatric Infectious Disease Journal*, **2011**, 30, e192-202	3.4	20
45	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	11.6	19
44	Respiratory syncytial virus in adults with severe acute respiratory illness in a high HIV prevalence setting. *Journal of Infection*, **2017**, 75, 346-355	18.9	18
43	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. *Pediatric Infectious Disease Journal*, **2013**, 32, 889-97	3.4	18
42	Global Review of the Age Distribution of Rotavirus Disease in Children Aged . *Clinical Infectious Diseases*, **2019**, 69, 1071-1078	11.6	18
41	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	4.1	17

40	Case-control vaccine effectiveness studies: Data collection, analysis and reporting results. *Vaccine*, **2017**, 35, 3303-3308	4.1	16
39	Pneumococcal conjugate vaccines and hospitalization of children for pneumonia: a time-series analysis, South Africa, 2006-2014. *Bulletin of the World Health Organization*, **2017**, 95, 618-628	8.2	16
38	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, 125-32	14.5	15
37	Performance of Surveillance Case Definitions in Detecting Respiratory Syncytial Virus Infection Among Young Children Hospitalized With Severe Respiratory Illness-South Africa, 2009-2014. *Journal of the Pediatric Infectious Diseases Society*, **2019**, 8, 325-333	4.8	15
36	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	11.6	15
35	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	4	15
34	Safety of Induced Sputum Collection in Children Hospitalized With Severe or Very Severe Pneumonia. *Clinical Infectious Diseases*, **2017**, 64, S301-S308	11.6	14
33	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 weeks of age in infants in South Africa. *South African Medical Journal*, **2011**, 101, 126-31	1.5	13
32	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, 628-34	4.1	12
31	Risk Factors for Presumed Bacterial Pneumonia Among HIV-uninfected Children Hospitalized in Soweto, South Africa. *Pediatric Infectious Disease Journal*, **2016**, 35, 1169-1174	3.4	11
30	Epidemiology of acute osteoarticular sepsis in a setting with a high prevalence of pediatric HIV infection. *Journal of Pediatric Orthopaedics*, **2012**, 32, 215-9	2.4	10
29	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	3.7	10
28	Epidemiology of human astroviruses among children younger than 5 years: Prospective hospital-based sentinel surveillance in South Africa, 2009-2014. *Journal of Medical Virology*, **2019**, 91, 225-234	19.7	9
27	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	4.1	8
26	Use of Multiplex Quantitative PCR To Evaluate the Impact of Pneumococcal Conjugate Vaccine on Nasopharyngeal Pneumococcal Colonization in African Children. *MSphere*, **2017**, 2,	5	7
25	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	40	7
24	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. *Open Forum Infectious Diseases*, **2015**, 2, ofv139	1	6
23	Norovirus epidemiology in South African children . *Epidemiology and Infection*, **2017**, 145, 1942-1952	4.3	5

22	Measuring Rotavirus Vaccine Impact in Sub-Saharan Africa. *Clinical Infectious Diseases*, **2020**, 70, 2314-2316	11.6	5
21	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	11.6	4
20	Development of a respiratory severity score for hospitalized adults in a high HIV-prevalence setting-South Africa, 2010-2011. *BMC Pulmonary Medicine*, **2017**, 17, 28	3.5	3
19	Secretor Status Influences Susceptibility to VP4 Strain-Specific Rotavirus Infections in South African Children. *Pathogens*, **2020**, 9,	4.5	3
18	Rotavirus Vaccine: Current Use and Future Considerations. *Pediatric Infectious Disease Journal*, **2017**, 36, 676-678	3.4	2
17	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	0.9	2
16	Understanding the full clinical spectrum of childhood diarrhoea in low-income and middle-income countries. *The Lancet Global Health*, **2019**, 7, e534-e535	13.6	2
15	HLA antibody repertoire in infants suggests selectivity in transplacental crossing. *American Journal of Reproductive Immunology*, **2020**, 84, e13264	3.8	2
14	Extraspinal osteoarticular multidrug-resistant tuberculosis in children: A case series. *South African Medical Journal*, **2017**, 107, 983-986	1.5	2
13	Antibiotic and systemic therapies for pneumonia in human immunodeficiency virus (HIV)-infected and HIV-exposed children. *Journal of Infection in Developing Countries*, **2012**, 6, 109-19	2.3	2
12	Neurological and growth outcomes in South African children with congenital cytomegalovirus: A cohort study. *PLoS ONE*, **2020**, 15, e0238102	3.7	2
11	A decade of rotavirus vaccination in Africa - Saving lives and changing the face of diarrhoeal diseases: Report of the 12 African Rotavirus Symposium. *Vaccine*, **2021**, 39, 2319-2324	4.1	2
10	Clinical presentation and management of childhood intussusception in South Africa. *Pediatric Surgery International*, **2021**, 37, 1361-1370	2.1	2
9	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	1.4	1
8	Diarrhoeal diseases in Soweto, South Africa, 2020: a cross-sectional community survey. *BMC Public Health*, **2021**, 21, 1431	4.1	1
7	Effect of cytomegalovirus infection on humoral immune responses to select vaccines administered during infancy. *Vaccine*, **2021**, 39, 4793-4799	4.1	1
6	Clinical severity of COVID-19 patients admitted to hospitals during the Omicron wave in South Africa		1
5	TLR genetic variation is associated with Rotavirus-specific IgA seroconversion in South African Black infants after two doses of Rotarix vaccine. *Vaccine*, **2021**, 39, 7028-7035	4.1	0

List of Publications

4	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	3.4	0
3	Mortality in children aged . *PLoS ONE*, **2021**, 16, e0255941	3.7	0
2	Cytokine profiles in children with acute intussusception in South Africa. *Cytokine*, **2021**, 146, 155639	4	
1	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	0.4	