Keith P Klugman

List of Publications by Citations

330 papers	18,575 citations	69 h-index	126 g-index
353 ext. papers	21,144 ext. citations	9.5 avg, IF	6.57 L-index

#	Paper	IF	Citations
330	A trial of a 9-valent pneumococcal conjugate vaccine in children with and those without HIV infection. *New England Journal of Medicine*, **2003**, 349, 1341-8	59.2	843
329	Rapid pneumococcal evolution in response to clinical interventions. *Science*, **2011**, 331, 430-4	33.3	680
328	Global burden of respiratory infections due to seasonal influenza in young children: a systematic review and meta-analysis. *Lancet, The*, **2011**, 378, 1917-30	40	630
327	Access to effective antimicrobials: a worldwide challenge. *Lancet, The*, **2016**, 387, 168-75	40	623
326	Antimicrobial resistance in developing countries. Part I: recent trends and current status. *Lancet Infectious Diseases, The*, **2005**, 5, 481-93	25.5	482
325	Immunogenicity and impact on nasopharyngeal carriage of a nonavalent pneumococcal conjugate vaccine. *Journal of Infectious Diseases*, **1999**, 180, 1171-6	7	456
324	Antibiotic therapy for Klebsiella pneumoniae bacteremia: implications of production of extended-spectrum beta-lactamases. *Clinical Infectious Diseases*, **2004**, 39, 31-7	11.6	451
323	A role for Streptococcus pneumoniae in virus-associated pneumonia. *Nature Medicine*, **2004**, 10, 811-3	50.5	436
322	Pneumococcal Capsules and Their Types: Past, Present, and Future. *Clinical Microbiology Reviews*, **2015**, 28, 871-99	34	390
321	Community-acquired Klebsiella pneumoniae bacteremia: global differences in clinical patterns. *Emerging Infectious Diseases*, **2002**, 8, 160-6	10.2	372
320	An international prospective study of pneumococcal bacteremia: correlation with in vitro resistance, antibiotics administered, and clinical outcome. *Clinical Infectious Diseases*, **2003**, 37, 230-7	11.6	372
319	Influenza vaccination of pregnant women and protection of their infants. *New England Journal of Medicine*, **2014**, 371, 918-31	59.2	366
318	Combination antibiotic therapy lowers mortality among severely ill patients with pneumococcal bacteremia. *American Journal of Respiratory and Critical Care Medicine*, **2004**, 170, 440-4	10.2	345
317	Standard method for detecting upper respiratory carriage of Streptococcus pneumoniae: updated recommendations from the World Health Organization Pneumococcal Carriage Working Group. *Vaccine*, **2013**, 32, 165-79	4.1	275
316	Association of serotype with risk of death due to pneumococcal pneumonia: a meta-analysis. *Clinical Infectious Diseases*, **2010**, 51, 692-9	11.6	262
315	Effects of vaccination on invasive pneumococcal disease in South Africa. *New England Journal of Medicine*, **2014**, 371, 1889-99	59.2	246
314	Virulence characteristics of Klebsiella and clinical manifestations of K. pneumoniae bloodstream infections. *Emerging Infectious Diseases*, **2007**, 13, 986-93	10.2	219

313	Increased disease burden and antibiotic resistance of bacteria causing severe community-acquired lower respiratory tract infections in human immunodeficiency virus type 1-infected children. *Clinical Infectious Diseases*, **2000**, 31, 170-6	11.6	203
312	Maternal influenza immunization and reduced likelihood of prematurity and small for gestational age births: a retrospective cohort study. *PLoS Medicine*, **2011**, 8, e1000441	11.6	195
311	Increased antimicrobial resistance among nonvaccine serotypes of Streptococcus pneumoniae in the pediatric population after the introduction of 7-valent pneumococcal vaccine in the United States. *Pediatric Infectious Disease Journal*, **2007**, 26, 123-8	3.4	185
310	Antimicrobial resistance in developing countries. Part II: strategies for containment. *Lancet Infectious Diseases, The*, **2005**, 5, 568-80	25.5	181
309	Impact of pneumococcal conjugate vaccination of infants on pneumonia and influenza hospitalization and mortality in all age groups in the United States. *MBio*, **2011**, 2, e00309-10	7.8	175
308	The impact of a 9-valent pneumococcal conjugate vaccine on the public health burden of pneumonia in HIV-infected and -uninfected children. *Clinical Infectious Diseases*, **2005**, 40, 1511-8	11.6	170
307	Sequence diversity of the factor H binding protein vaccine candidate in epidemiologically relevant strains of serogroup B Neisseria meningitidis. *Journal of Infectious Diseases*, **2009**, 200, 379-89	7	162
306	Increased burden of respiratory viral associated severe lower respiratory tract infections in children infected with human immunodeficiency virus type-1. *Journal of Pediatrics*, **2000**, 137, 78-84	3.6	149
305	Rationale for revised penicillin susceptibility breakpoints versus Streptococcus pneumoniae: coping with antimicrobial susceptibility in an era of resistance. *Clinical Infectious Diseases*, **2009**, 48, 1596-600	11.6	145
304	Effect of 13-valent pneumococcal conjugate vaccine on admissions to hospital 2 years after its introduction in the USA: a time series analysis. *Lancet Respiratory Medicine,the*, **2014**, 2, 387-94	35.1	143
303	Pneumococcal vaccination in developing countries. *Lancet, The*, **2006**, 367, 1880-2	40	142
302	Outpatient antibiotic prescribing and nonsusceptible Streptococcus pneumoniae in the United States, 1996-2003. *Clinical Infectious Diseases*, **2011**, 53, 631-9	11.6	131
301	Impact of human immunodeficiency virus type 1 on the disease spectrum of Streptococcus pneumoniae in South African children. *Pediatric Infectious Disease Journal*, **2000**, 19, 1141-7	3.4	130
300	Historical changes in pneumococcal serogroup distribution: implications for the era of pneumococcal conjugate vaccines. *Clinical Infectious Diseases*, **2002**, 35, 547-55	11.6	127
299	Fitness costs of fluoroquinolone resistance in Streptococcus pneumoniae. *Antimicrobial Agents and Chemotherapy*, **2007**, 51, 412-6	5.9	123
298	Novel mechanism of resistance to oxazolidinones, macrolides, and chloramphenicol in ribosomal protein L4 of the pneumococcus. *Antimicrobial Agents and Chemotherapy*, **2005**, 49, 3554-7	5.9	123
297	High nasopharyngeal pneumococcal density, increased by viral coinfection, is associated with invasive pneumococcal pneumonia. *Journal of Infectious Diseases*, **2014**, 210, 1649-57	7	120
296	The remaining challenge of pneumonia: the leading killer of children. *Pediatric Infectious Disease Journal*, **2011**, 30, 1-2	3.4	117

295	Prevalence of maternal colonisation with group B streptococcus: a systematic review and meta-analysis. *Lancet Infectious Diseases, The*, **2016**, 16, 1076-1084	25.5	117
294	Emergence and spread of Streptococcus pneumoniae with erm(B) and mef(A) resistance. *Emerging Infectious Diseases*, **2005**, 11, 851-8	10.2	105
293	The LuxS-dependent quorum-sensing system regulates early biofilm formation by Streptococcus pneumoniae strain D39. *Infection and Immunity*, **2011**, 79, 4050-60	3.7	104
292	Alterations in PBP 1A essential-for high-level penicillin resistance in Streptococcus pneumoniae. *Antimicrobial Agents and Chemotherapy*, **1998**, 42, 1329-33	5.9	104
291	Pneumococcal pneumonia and influenza: a deadly combination. *Vaccine*, **2009**, 27 Suppl 3, C9-C14	4.1	103
290	Efficacy of pneumococcal conjugate vaccines and their effect on carriage and antimicrobial resistance. *Lancet Infectious Diseases, The*, **2001**, 1, 85-91	25.5	103
289	Influence of bacterial interactions on pneumococcal colonization of the nasopharynx. *Trends in Microbiology*, **2013**, 21, 129-35	12.4	100
288	The impact of HIV on Streptococcus pneumoniae bacteraemia in a South African population. *Aids*, **1998**, 12, 2177-84	3.5	99
287	Levofloxacin-resistant invasive Streptococcus pneumoniae in the United States: evidence for clonal spread and the impact of conjugate pneumococcal vaccine. *Antimicrobial Agents and Chemotherapy*, **2004**, 48, 3491-7	5.9	96
286	Streptococcus pneumoniae blood culture isolates from patients with and without human immunodeficiency virus infection: alterations in penicillin susceptibilities and in serogroups or serotypes. *Clinical Infectious Diseases*, **1997**, 25, 1165-72	11.6	95
285	Human metapneumovirus-associated lower respiratory tract infections among hospitalized human immunodeficiency virus type 1 (HIV-1)-infected and HIV-1-uninfected African infants. *Clinical Infectious Diseases*, **2003**, 37, 1705-10	11.6	95
284	Hidden epidemic of macrolide-resistant pneumococci. *Emerging Infectious Diseases*, **2005**, 11, 802-7	10.2	95
283	Bacterial pathogens and death during the 1918 influenza pandemic. *New England Journal of Medicine*, **2009**, 361, 2582-3	59.2	93
282	Lack of utility of serotyping multiple colonies for detection of simultaneous nasopharyngeal carriage of different pneumococcal serotypes. *Pediatric Infectious Disease Journal*, **2000**, 19, 1017-20	3.4	91
281	Association between respiratory syncytial virus activity and pneumococcal disease in infants: a time series analysis of US hospitalization data. *PLoS Medicine*, **2015**, 12, e1001776	11.6	90
280	Emergence of Streptococcus pneumoniae with very-high-level resistance to penicillin. *Antimicrobial Agents and Chemotherapy*, **2004**, 48, 3016-23	5.9	84
279	Guidelines for empiric antimicrobial prescribing in community-acquired pneumonia. *Chest*, **2004**, 125, 1888-901	5.3	84
278	Quantitative and qualitative antibody response to pneumococcal conjugate vaccine among African human immunodeficiency virus-infected and uninfected children. *Pediatric Infectious Disease Journal*, **2005**, 24, 410-6	3.4	83

277	Usefulness of C-reactive protein to define pneumococcal conjugate vaccine efficacy in the prevention of pneumonia. *Pediatric Infectious Disease Journal*, **2006**, 25, 30-6	3.4	82
276	Development of the Respiratory Index of Severity in Children (RISC) score among young children with respiratory infections in South Africa. *PLoS ONE*, **2012**, 7, e27793	3.7	81
275	A framework for global surveillance of antibiotic resistance. *Drug Resistance Updates*, **2011**, 14, 79-87	23.2	81
274	Emergence of endemic serogroup W135 meningococcal disease associated with a high mortality rate in South Africa. *Clinical Infectious Diseases*, **2008**, 46, 377-86	11.6	79
273	Impact of existing vaccines in reducing antibiotic resistance: Primary and secondary effects. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, 12896-12901	11.5	79
272	Pneumococcal lineages associated with serotype replacement and antibiotic resistance in childhood invasive pneumococcal disease in the post-PCV13 era: an international whole-genome sequencing study. *Lancet Infectious Diseases, The*, **2019**, 19, 759-769	25.5	78
271	Evidence for soft selective sweeps in the evolution of pneumococcal multidrug resistance and vaccine escape. *Genome Biology and Evolution*, **2014**, 6, 1589-602	3.9	78
270	Novel approaches to the identification of Streptococcus pneumoniae as the cause of community-acquired pneumonia. *Clinical Infectious Diseases*, **2008**, 47 Suppl 3, S202-6	11.6	78
269	Reduced effectiveness of Haemophilus influenzae type b conjugate vaccine in children with a high prevalence of human immunodeficiency virus type 1 infection. *Pediatric Infectious Disease Journal*, **2002**, 21, 315-21	3.4	76
268	Increased risk of invasive bacterial infections in African people with sickle-cell disease: a systematic review and meta-analysis. *Lancet Infectious Diseases, The*, **2010**, 10, 329-37	25.5	73
267	Density interactions among Streptococcus pneumoniae, Haemophilus influenzae and Staphylococcus aureus in the nasopharynx of young Peruvian children. *Pediatric Infectious Disease Journal*, **2013**, 32, 72-7	3.4	72
266	Public health and economic impact of the 13-valent pneumococcal conjugate vaccine (PCV13) in the United States. *Vaccine*, **2010**, 28, 7634-43	4.1	72
265	HIV and pneumococcal disease. *Current Opinion in Infectious Diseases*, **2007**, 20, 11-5	5.4	71
264	Increased risk for and mortality from invasive pneumococcal disease in HIV-exposed but uninfected infants aged . *Clinical Infectious Diseases*, **2015**, 60, 1346-56	11.6	70
263	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
262	Increased prevalence of pediatric pneumococcal serotypes in elderly adults. *Clinical Infectious Diseases*, **2005**, 41, 481-7	11.6	70
261	The PneuCarriage Project: A Multi-Centre Comparative Study to Identify the Best Serotyping Methods for Examining Pneumococcal Carriage in Vaccine Evaluation Studies. *PLoS Medicine*, **2015**, 12, e1001903; discussion e1001903	11.6	69
260	Serotype 19f multiresistant pneumococcal clone harboring two erythromycin resistance determinants (erm(B) and mef(A)) in South Africa. *Antimicrobial Agents and Chemotherapy*, **2001**, 45, 1595-8	5.9	68

259	International genomic definition of pneumococcal lineages, to contextualise disease, antibiotic resistance and vaccine impact. *EBioMedicine*, **2019**, 43, 338-346	8.8	67
258	Alterations in MurM, a cell wall muropeptide branching enzyme, increase high-level penicillin and cephalosporin resistance in Streptococcus pneumoniae. *Antimicrobial Agents and Chemotherapy*, **2001**, 45, 2393-6	5.9	67
257	Role of Streptococcus pneumoniae in hospitalization for acute community-acquired pneumonia associated with culture-confirmed Mycobacterium tuberculosis in children: a pneumococcal conjugate vaccine probe study. *Pediatric Infectious Disease Journal*, **2010**, 29, 1099-04	3.4	66
256	The battle against emerging antibiotic resistance: should fluoroquinolones be used to treat children?. *Clinical Infectious Diseases*, **2002**, 35, 721-7	11.6	64
255	Analysis of penicillin-binding protein genes of clinical isolates of Streptococcus pneumoniae with reduced susceptibility to amoxicillin. *Antimicrobial Agents and Chemotherapy*, **2002**, 46, 2349-57	5.9	64
254	Quorum-sensing systems LuxS/autoinducer 2 and Com regulate Streptococcus pneumoniae biofilms in a bioreactor with living cultures of human respiratory cells. *Infection and Immunity*, **2013**, 81, 1341-53	3.7	63
253	Epidemiology of invasive pneumococcal disease among high-risk adults since the introduction of pneumococcal conjugate vaccine for children. *Clinical Infectious Diseases*, **2013**, 56, e59-67	11.6	63
252	Lower respiratory tract infections associated with influenza A and B viruses in an area with a high prevalence of pediatric human immunodeficiency type 1 infection. *Pediatric Infectious Disease Journal*, **2002**, 21, 291-7	3.4	63
251	Increasing prevalence of penicillin-resistant pneumococcal infections in children in southern Israel: implications for future immunization policies. *Pediatric Infectious Disease Journal*, **1994**, 13, 782-6	3.4	61
250	Childhood pneumonia in developing countries. *Lancet Respiratory Medicine,the*, **2013**, 1, 574-84	35.1	60
249	Human metapneumovirus genetic variability, South Africa. *Emerging Infectious Diseases*, **2005**, 11, 1074-8	10.2	60
248	Novel role for the Streptococcus pneumoniae toxin pneumolysin in the assembly of biofilms. *MBio*, **2013**, 4, e00655-13	7.8	59
247	In vitro evaluation of the antimicrobial activity of ceftaroline against cephalosporin-resistant isolates of Streptococcus pneumoniae. *Antimicrobial Agents and Chemotherapy*, **2009**, 53, 552-6	5.9	58
246	The impact of antiretroviral treatment on the burden of invasive pneumococcal disease in South African children: a time series analysis. *Aids*, **2011**, 25, 453-62	3.5	57
245	Recommendations for treatment of childhood non-severe pneumonia. *Lancet Infectious Diseases, The*, **2009**, 9, 185-96	25.5	56
244	Ineffectiveness of trimethoprim-sulfamethoxazole prophylaxis and the importance of bacterial and viral coinfections in African children with Pneumocystis carinii pneumonia. *Clinical Infectious Diseases*, **2002**, 35, 1120-6	11.6	56
243	Differing manifestations of respiratory syncytial virus-associated severe lower respiratory tract infections in human immunodeficiency virus type 1-infected and uninfected children. *Pediatric Infectious Disease Journal*, **2001**, 20, 164-70	3.4	56
242	The role of influenza in the severity and transmission of respiratory bacterial disease. *Lancet Respiratory Medicine,the*, **2014**, 2, 750-63	35.1	55

241	Bacteraemic pneumococcal pneumonia: impact of HIV on clinical presentation and outcome. *Journal of Infection*, **2007**, 55, 125-35	18.9	55
240	Surveillance for antimicrobial drug resistance in under-resourced countries. *Emerging Infectious Diseases*, **2014**, 20, 434-41	10.2	54
239	The role of influenza and parainfluenza infections in nasopharyngeal pneumococcal acquisition among young children. *Clinical Infectious Diseases*, **2014**, 58, 1369-76	11.6	53
238	Increased incidence of meningococcal disease in HIV-infected individuals associated with higher case-fatality ratios in South Africa. *Aids*, **2010**, 24, 1351-60	3.5	53
237	Five-year cohort study of hospitalization for respiratory syncytial virus associated lower respiratory tract infection in African children. *Journal of Clinical Virology*, **2006**, 36, 215-21	14.5	53
236	Immunogenicity after one, two or three doses and impact on the antibody response to coadministered antigens of a nonavalent pneumococcal conjugate vaccine in infants of Soweto, South Africa. *Pediatric Infectious Disease Journal*, **2002**, 21, 1004-7	3.4	53
235	Efficacy of Maternal Influenza Vaccination Against All-Cause Lower Respiratory Tract Infection Hospitalizations in Young Infants: Results From a Randomized Controlled Trial. *Clinical Infectious Diseases*, **2017**, 65, 1066-1071	11.6	52
234	Emergence of levofloxacin-non-susceptible Streptococcus pneumoniae and treatment for multidrug-resistant tuberculosis in children in South Africa: a cohort observational surveillance study. *Lancet, The*, **2008**, 371, 1108-13	40	52
233	Global practices of meningococcal vaccine use and impact on invasive disease. *Pathogens and Global Health*, **2014**, 108, 11-20	3.1	51
232	Bacteremic pneumococcal pneumonia in HIV-seropositive and HIV-seronegative adults. *Chest*, **1999**, 116, 107-14	5.3	51
231	Nasopharyngeal carriage and antimicrobial resistance in isolates of Streptococcus pneumoniae and Haemophilus influenzae type b in children under 5 years of age in Botswana. *International Journal of Infectious Diseases*, **1998**, 3, 18-25	10.5	50
230	The adult nasopharyngeal microbiome as a determinant of pneumococcal acquisition. *Microbiome*, **2014**, 2, 44	16.6	48
229	Quinolone treatment for pediatric bacterial meningitis: a comparative study of trovafloxacin and ceftriaxone with or without vancomycin. *Pediatric Infectious Disease Journal*, **2002**, 21, 14-22	3.4	48
228	Impact of human immunodeficiency virus type 1 infection on the epidemiology and outcome of bacterial meningitis in South African children. *International Journal of Infectious Diseases*, **2001**, 5, 119-25	10.5	46
227	Rapid detection of penicillin-resistant Streptococcus pneumoniae in cerebrospinal fluid by a seminested-PCR strategy. *Journal of Clinical Microbiology*, **1998**, 36, 453-7	9.7	46
226	Communicating trends in resistance using a drug resistance index. *BMJ Open*, **2011**, 1, e000135	3	44
225	Seasonality, incidence, and repeat human metapneumovirus lower respiratory tract infections in an area with a high prevalence of human immunodeficiency virus type-1 infection. *Pediatric Infectious Disease Journal*, **2007**, 26, 693-9	3.4	43
224	Defining the estimated core genome of bacterial populations using a Bayesian decision model. *PLoS Computational Biology*, **2014**, 10, e1003788	5	42

223	Molecular basis of rifampin resistance in Streptococcus pneumoniae. *Antimicrobial Agents and Chemotherapy*, **1999**, 43, 2361-5	5.9	42
222	Persistent high burden of invasive pneumococcal disease in South African HIV-infected adults in the era of an antiretroviral treatment program. *PLoS ONE*, **2011**, 6, e27929	3.7	41
221	Aeromonas species isolated from medicinal leeches. *Annals of Plastic Surgery*, **1999**, 42, 275-9	1.7	41
220	COVID-19 pneumonia and the appropriate use of antibiotics. *The Lancet Global Health*, **2020**, 8, e1453-e1454	13.6	40
219	Temporal changes in pneumococcal colonization in a rural African community with high HIV prevalence following routine infant pneumococcal immunization. *Pediatric Infectious Disease Journal*, **2013**, 32, 1270-8	3.4	39
218	New gene cassettes for trimethoprim resistance, dfr13, and Streptomycin-spectinomycin resistance, aadA4, inserted on a class 1 integron. *Antimicrobial Agents and Chemotherapy*, **2000**, 44, 355-61	5.9	38
217	Mutations in ribosomal protein L16 conferring reduced susceptibility to evernimicin (SCH27899): implications for mechanism of action. *Antimicrobial Agents and Chemotherapy*, **2000**, 44, 732-8	5.9	38
216	Acquisition of chloramphenicol resistance by the linearization and integration of the entire staphylococcal plasmid pC194 into the chromosome of Streptococcus pneumoniae. *Antimicrobial Agents and Chemotherapy*, **2000**, 44, 393-5	5.9	38
215	Streptococcus pneumoniae respiratory tract infections. *Current Opinion in Infectious Diseases*, **2001**, 14, 173-9	5.4	38
214	Vaccination to reduce antimicrobial resistance. *The Lancet Global Health*, **2017**, 5, e1176-e1177	13.6	37
213	Fluoroquinolone resistance among clinical isolates of Streptococcus pneumoniae belonging to international multiresistant clones. *Journal of Antimicrobial Chemotherapy*, **2002**, 49, 173-6	5.1	37
212	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. *Clinical Infectious Diseases*, **2014**, 59, 808-18	11.6	36
211	Three predominant clones identified within penicillin-resistant South African isolates of Streptococcus pneumoniae. *Microbial Drug Resistance*, **1997**, 3, 385-9	2.9	36
210	Gender as a risk factor for both antibiotic resistance and infection with pediatric serogroups/serotypes, in HIV-infected and -uninfected adults with pneumococcal bacteremia. *Journal of Infectious Diseases*, **2004**, 189, 1996-2000	7	36
209	Evernimicin (SCH27899) inhibits a novel ribosome target site: analysis of 23S ribosomal DNA mutants. *Antimicrobial Agents and Chemotherapy*, **2000**, 44, 3101-6	5.9	36
208	Novel expansions of the gene encoding dihydropteroate synthase in trimethoprim-sulfamethoxazole-resistant Streptococcus pneumoniae. *Antimicrobial Agents and Chemotherapy*, **1999**, 43, 2225-30	5.9	36
207	Nasopharyngeal Pneumococcal Density and Evolution of Acute Respiratory Illnesses in Young Children, Peru, 2009-2011. *Emerging Infectious Diseases*, **2016**, 22, 1996-1999	10.2	36
206	Clinical epidemiology of bocavirus, rhinovirus, two polyomaviruses and four coronaviruses in HIV-infected and HIV-uninfected South African children. *PLoS ONE*, **2014**, 9, e86448	3.7	35

205	Amino acid mutations essential to production of an altered PBP 2X conferring high-level beta-lactam resistance in a clinical isolate of Streptococcus pneumoniae. *Antimicrobial Agents and Chemotherapy*, **2005**, 49, 4622-7	5.9	35
204	Epidemiology, control and treatment of multiresistant pneumococci. *Drugs*, **1996**, 52 Suppl 2, 42-6	12.1	35
203	Meningococcal disease in South Africa, 1999-2002. *Emerging Infectious Diseases*, **2007**, 13, 273-81	10.2	34
202	Effectiveness of the 13-valent pneumococcal conjugate vaccine against invasive pneumococcal disease in South African children: a case-control study. *The Lancet Global Health*, **2017**, 5, e359-e369	13.6	33
201	Invasive pneumococcal pneumonia and respiratory virus co-infections. *Emerging Infectious Diseases*, **2012**, 18, 294-7	10.2	33
200	The role of clonality in the global spread of fluoroquinolone-resistant bacteria. *Clinical Infectious Diseases*, **2003**, 36, 783-5	11.6	33
199	Impact of haemophilus influenzae type b conjugate vaccine in South Africa and Argentina. *Pediatric Infectious Disease Journal*, **2004**, 23, 842-7	3.4	32
198	Systemic shigellosis in South Africa. *Clinical Infectious Diseases*, **2012**, 54, 1448-54	11.6	31
197	Susceptibility of Yersinia pestis to novel and conventional antimicrobial agents. *Journal of Antimicrobial Chemotherapy*, **2003**, 52, 294-6	5.1	31
196	Emergence of drug resistance. Impact on bacterial meningitis. *Infectious Disease Clinics of North America*, **1999**, 13, 637-46, vii	6.5	31
195	Pneumococcal colonisation density: a new marker for disease severity in HIV-infected adults with pneumonia. *BMJ Open*, **2014**, 4, e005953	3	30
194	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
193	Use of procalcitonin and C-reactive protein to evaluate vaccine efficacy against pneumonia. *PLoS Medicine*, **2005**, 2, e38	11.6	29
192	Efficacy, safety and tolerability of meropenem as empiric antibiotic therapy in hospitalized pediatric patients. *Pediatric Infectious Disease Journal*, **1996**, 15, 749-57	3.4	29
191	HIV Infection and the Epidemiology of Invasive Pneumococcal Disease (IPD) in South African Adults and Older Children Prior to the Introduction of a Pneumococcal Conjugate Vaccine (PCV). *PLoS ONE* , **2016**, 11, e0149104	3.7	29
190	Site-specific mutagenesis analysis of PBP 1A from a penicillin-cephalosporin-resistant pneumococcal isolate. *Antimicrobial Agents and Chemotherapy*, **2003**, 47, 387-9	5.9	28
189	Spread of the Spanish multi-resistant serotype 23F clone of Streptococcus pneumoniae to Seoul, Korea. *Microbial Drug Resistance*, **1997**, 3, 253-7	2.9	27
188	Prevalence of first-step mutants among levofloxacin-susceptible invasive isolates of Streptococcus pneumoniae in the United States. *Antimicrobial Agents and Chemotherapy*, **2006**, 50, 1561-3	5.9	27

187	Vaccines as tools against resistance: the example of pneumococcal conjugate vaccine. *Seminars in Pediatric Infectious Diseases*, **2004**, 15, 86-93		27
186	Prevalence of serotypes and molecular epidemiology of Streptococcus pneumoniae strains isolated from children in Beijing, China: identification of two novel multiply-resistant clones. *Microbial Drug Resistance*, **2001**, 7, 55-63	2.9	27
185	Non-Penicillin-Binding protein mediated high-level penicillin and cephalosporin resistance in a Hungarian clone of Streptococcus pneumoniae. *Microbial Drug Resistance*, **2000**, 6, 105-10	2.9	27
184	Pneumococcal resistance to the third-generation cephalosporins: clinical, laboratory and molecular aspects. *International Journal of Antimicrobial Agents*, **1994**, 4, 63-7	14.3	27
183	Neonatal typhoid fever. *Pediatric Infectious Disease Journal*, **1994**, 13, 774-7	3.4	27
182	Expression of Streptococcus pneumoniae Virulence-Related Genes in the Nasopharynx of Healthy Children. *PLoS ONE*, **2013**, 8, e67147	3.7	27
181	Increased Nasopharyngeal Density and Concurrent Carriage of Streptococcus pneumoniae, Haemophilus influenzae, and Moraxella catarrhalis Are Associated with Pneumonia in Febrile Children. *PLoS ONE*, **2016**, 11, e0167725	3.7	27
180	Antimicrobial susceptibility and molecular epidemiology of Streptococcus pneumoniae isolated from Shanghai, China. *International Journal of Antimicrobial Agents*, **2008**, 32, 386-91	14.3	26
179	Telithromycin resistance in Streptococcus pneumoniae is conferred by a deletion in the leader sequence of erm(B) that increases rRNA methylation. *Antimicrobial Agents and Chemotherapy*, **2008** , 52, 435-40	5.9	26
178	Altered PBP 2A and its role in the development of penicillin, cefotaxime, and ceftriaxone resistance in a clinical isolate of Streptococcus pneumoniae. *Antimicrobial Agents and Chemotherapy*, **2005**, 49, 2002-7	5.9	26
177	Genomic load from sputum samples and nasopharyngeal swabs for diagnosis of pneumococcal pneumonia in HIV-infected adults. *Journal of Clinical Microbiology*, **2014**, 52, 4224-9	9.7	25
176	Low prevalence of fluoroquinolone resistant strains and resistance precursor strains in Streptococcus pneumoniae from patients with community-acquired pneumonia despite high fluoroquinolone usage. *International Journal of Medical Microbiology*, **2011**, 301, 53-7	3.7	25
175	Risk factors for multidrug-resistant invasive pneumococcal disease in South Africa, a setting with high HIV prevalence, in the prevaccine era from 2003 to 2008. *Antimicrobial Agents and Chemotherapy*, **2012**, 56, 5088-95	5.9	25
174	Neisseria meningitidis intermediately resistant to penicillin and causing invasive disease in South Africa in 2001 to 2005. *Journal of Clinical Microbiology*, **2008**, 46, 3208-14	9.7	25
173	Clinical impact of antibiotic resistance in respiratory tract infections. *International Journal of Antimicrobial Agents*, **2007**, 29 Suppl 1, S6-10	14.3	25
172	Antibiotic susceptibility patterns of Streptococcus pneumoniae in china and comparison of MICs by agar dilution and E-test methods. *Antimicrobial Agents and Chemotherapy*, **1998**, 42, 2633-6	5.9	25
171	Bacterial Density, Serotype Distribution and Antibiotic Resistance of Pneumococcal Strains from the Nasopharynx of Peruvian Children Before and After Pneumococcal Conjugate Vaccine 7. *Pediatric Infectious Disease Journal*, **2016**, 35, 432-9	3.4	25
170	Surveillance of the impact of pneumococcal conjugate vaccines in developing countries. *Human Vaccines and Immunotherapeutics*, **2016**, 12, 417-20	4.4	24

169	Antibiotic non-susceptibility among Streptococcus pneumoniae and Haemophilus influenzae isolates identified in African cohorts: a meta-analysis of three decades of published studies. *International Journal of Antimicrobial Agents*, **2013**, 42, 482-91	14.3	24
168	Contribution of vaccines to our understanding of pneumococcal disease. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2011**, 366, 2790-8	5.8	24
167	The Relevance of a Novel Quantitative Assay to Detect up to 40 Major Streptococcus pneumoniae Serotypes Directly in Clinical Nasopharyngeal and Blood Specimens. *PLoS ONE*, **2016**, 11, e0151428	3.7	24
166	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. *PLoS ONE*, **2017**, 12, e0179905	3.7	23
165	Herd protection induced by pneumococcal conjugate vaccine. *The Lancet Global Health*, **2014**, 2, e365-6	13.6	23
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