Samuel Kariuki

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/8717463/publications.pdf

Version: 2024-02-01

76 papers	4,366 citations	147801 31 h-index	118850 62 g-index
122 all docs	122 docs citations	122 times ranked	4774 citing authors

#	Article	IF	Citations
1	Epidemic multiple drug resistant Salmonella Typhimurium causing invasive disease in sub-Saharan Africa have a distinct genotype. Genome Research, 2009, 19, 2279-2287.	5.5	504
2	Phylogeographical analysis of the dominant multidrug-resistant H58 clade of Salmonella Typhi identifies inter- and intracontinental transmission events. Nature Genetics, 2015, 47, 632-639.	21.4	403
3	Intracontinental spread of human invasive Salmonella Typhimurium pathovariants in sub-Saharan Africa. Nature Genetics, 2012, 44, 1215-1221.	21.4	370
4	Antimicrobial resistance and management of invasive Salmonella disease. Vaccine, 2015, 33, C21-C29.	3.8	218
5	Distinct Salmonella Enteritidis lineages associated with enterocolitis in high-income settings and invasive disease in low-income settings. Nature Genetics, 2016, 48, 1211-1217.	21.4	191
6	Invasive multidrug-resistant non-typhoidal Salmonella infections in Africa: zoonotic or anthroponotic transmission?. Journal of Medical Microbiology, 2006, 55, 585-591.	1.8	182
7	The Lancet Infectious Diseases Commission on antimicrobial resistance: 6 years later. Lancet Infectious Diseases, The, 2020, 20, e51-e60.	9.1	161
8	Typhoid in Kenya Is Associated with a Dominant Multidrug-Resistant Salmonella enterica Serovar Typhi Haplotype That Is Also Widespread in Southeast Asia. Journal of Clinical Microbiology, 2010, 48, 2171-2176.	3.9	133
9	Genomic insights into the 2016â€“2017 cholera epidemic in Yemen. Nature, 2019, 565, 230-233.	27.8	129
10	Clinical bacteriology in low-resource settings: today's solutions. Lancet Infectious Diseases, The, 2018, 18, e248-e258.	9.1	125
11	Characterisation of community acquired non-typhoidal Salmonella from bacteraemia and diarrhoeal infections in children admitted to hospital in Nairobi, Kenya. BMC Microbiology, 2006, 6, 101.	3.3	121
12	Characterization of Multidrug-Resistant Typhoid Outbreaks in Kenya. Journal of Clinical Microbiology, 2004, 42, 1477-1482.	3.9	87
13	An integrated study of human and animal infectious disease in the Lake Victoria crescent small-holder crop-livestock production system, Kenya. BMC Infectious Diseases, 2017, 17, 457.	2.9	73
14	Complications and mortality of non-typhoidal salmonella invasive disease: a global systematic review and meta-analysis. Lancet Infectious Diseases, The, 2022, 22, 692-705.	9.1	73
15	Antibacterial resistance in subâ€Saharan Africa: an underestimated emergency. Annals of the New York Academy of Sciences, 2014, 1323, 43-55.	3.8	71
16	Animal production and antimicrobial resistance in the clinic. Lancet, The, 2016, 387, e1-e3.	13.7	67
17	Ceftriaxone-Resistant Salmonella enterica Serotype Typhimurium Sequence Type 313 from Kenyan Patients Is Associated with the bla _{CTX-M-15} Gene on a Novel IncHI2 Plasmid. Antimicrobial Agents and Chemotherapy, 2015, 59, 3133-3139.	3.2	63
18	Molecular epidemiology of Klebsiella pneumoniae invasive infections over a decade at Kilifi County Hospital in Kenya. International Journal of Medical Microbiology, 2017, 307, 422-429.	3.6	61

#	Article	IF	Citations
19	Working conditions and public health risks in slaughterhouses in western Kenya. BMC Public Health, 2017, 17, 14.	2.9	61
20	Epidemiology and Genomics of Invasive NontyphoidalSalmonellaInfections in Kenya. Clinical Infectious Diseases, 2015, 61, S317-S324.	5.8	58
21	Increasing prevalence of multidrug-resistant non-typhoidal salmonellae, Kenya, 1994â€“2003. International Journal of Antimicrobial Agents, 2005, 25, 38-43.	2.5	57
22	Lack of clonal relationship between non-typhiSalmonellastrain types from humans and those isolated from animals living in close contact. FEMS Immunology and Medical Microbiology, 2002, 33, 165-171.	2.7	54
23	Poor performance of the rapid test for human brucellosis in health facilities in Kenya. PLoS Neglected Tropical Diseases, 2017, 11, e0005508.	3.0	52
24	Risk factors for leptospirosis seropositivity in slaughterhouse workers in western Kenya. Occupational and Environmental Medicine, 2017, 74, 357-365.	2.8	51
25	Antimicrobial resistance in the globalized food chain: a One Health perspective applied to the poultry industry. Brazilian Journal of Microbiology, 2022, 53, 465-486.	2.0	47
26	Invasive Salmonellosis in Kilifi, Kenya. Clinical Infectious Diseases, 2015, 61, S290-S301.	5.8	44
27	Analysis for prevalence and physical linkages amongst integrons, ISEcp1, ISCR1, Tn21 and Tn7 encountered in Escherichia coli strains from hospitalized and non-hospitalized patients in Kenya during a 19-year period (1992â€“2011). BMC Microbiology, 2013, 13, 109.	3.3	43
28	The sero-epidemiology of Rift Valley fever in people in the Lake Victoria Basin of western Kenya. PLoS Neglected Tropical Diseases, 2017, 11, e0005731.	3.0	41
29	High relatedness of invasive multi-drug resistant non-typhoidal Salmonella genotypes among patients and asymptomatic carriers in endemic informal settlements in Kenya. PLoS Neglected Tropical Diseases, 2020, 14, e0008440.	3.0	40
30	Bacteriophages Isolated in China for the Control of Pectobacterium carotovorum Causing Potato Soft Rot in Kenya. Virologica Sinica, 2019, 34, 287-294.	3.0	39
31	A cross-sectional study on the microbiological quality and safety of raw chicken meats sold in Nairobi, Kenya. BMC Research Notes, 2014, 7, 627.	1.4	37
32	Epidemiology of antimicrobial-resistant Escherichia coli carriage in sympatric humans and livestock in a rapidly urbanizing city. International Journal of Antimicrobial Agents, 2019, 54, 531-537.	2.5	36
33	Modelling the risk of Taenia solium exposure from pork produced in western Kenya. PLoS Neglected Tropical Diseases, 2017, 11, e0005371.	3.0	36
34	Antimicrobial Resistance Rates and Surveillance in Sub-Saharan Africa: Where Are We Now?. Infection and Drug Resistance, 0, Volume 15, 3589-3609.	2.7	35
35	One Health in Action: Operational Aspects of an Integrated Surveillance System for Zoonoses in Western Kenya. Frontiers in Veterinary Science, 2019, 6, 252.	2.2	34
36	A Study on the Geophylogeny of Clinical and Environmental Vibrio cholerae in Kenya. PLoS ONE, 2013, 8, e74829.	2.5	33

#	Article	IF	Citations
37	Multi-drug resistant Salmonella enterica serovar Typhi isolates with reduced susceptibility to ciprofloxacin in Kenya. BMC Microbiology, 2018, 18, 187.	3.3	32
38	Typhoid fever in sub-Saharan Africa: Challenges of diagnosis and management of infections. Journal of Infection in Developing Countries, 2008, 2, 443-7.	1.2	32
39	Molecular characterization of Staphylococcus aureus isolates from various healthcare institutions in Nairobi, Kenya: a cross sectional study. Annals of Clinical Microbiology and Antimicrobials, 2016, 15, 51.	3.8	31
40	Genetic Diversity of Cryptosporidium in Children in an Urban Informal Settlement of Nairobi, Kenya. PLoS ONE, 2015, 10, e0142055.	2.5	30
41	Population genomics of Escherichia coli in livestock-keeping households across a rapidly developing urban landscape. Nature Microbiology, 2022, 7, 581-589.	13.3	30
42	Multiple introductions of multidrug-resistant typhoid associated with acute infection and asymptomatic carriage, Kenya. ELife, 2021, 10, .	6.0	29
43	Escherichia coli from community-acquired urinary tract infections resistant to fluoroquinolones and extended-spectrum beta-lactams. Journal of Infection in Developing Countries, 2007, 1, 257-62.	1.2	29
44	Multidrug-resistant NontyphoidalSalmonellaHotspots as Targets for Vaccine Use in Management of Infections in Endemic Settings. Clinical Infectious Diseases, 2019, 68, S10-S15.	5.8	25
45	Decreasing prevalence of antimicrobial resistance in non-typhoidal Salmonella isolated from children with bacteraemia in a rural district hospital, Kenya. International Journal of Antimicrobial Agents, 2006, 28, 166-171.	2.5	24
46	Enteric pathogens and factors associated with acute bloody diarrhoea, Kenya. BMC Infectious Diseases, 2016, 16, 477.	2.9	24
47	Azithromycin for the prevention of rehospitalisation and death among Kenyan children being discharged from hospital: a double-blind, placebo-controlled, randomised controlled trial. The Lancet Global Health, 2021, 9, e1569-e1578.	6.3	20
48	Antimicrobial resistance surveillance in Africa: Successes, gaps and a roadmap for the future. African Journal of Laboratory Medicine, 2018, 7, 924.	0.6	19
49	Community-acquired Invasive Bacterial Disease in Urban Gambia, 2005â€“2015: A Hospital-based Surveillance. Clinical Infectious Diseases, 2019, 69, S105-S113.	5.8	16
50	Factors associated with occurrence of salmonellosis among children living in Mukuru slum, an urban informal settlement in Kenya. BMC Infectious Diseases, 2020, 20, 422.	2.9	16
51	Escherichia coli strains from Kenyan patients carrying conjugatively transferable broad-spectrum Â-lactamase, qnr, aac(6')-Ib-cr and 16S rRNA methyltransferase genes. Journal of Antimicrobial Chemotherapy, 2011, 66, 1639-1642.	3.0	15
52	An Outbreak of Diarrhea in Mandera, Kenya, Due to Escherichia coli Serogroup O-Nontypable Strain That Had a Coding Gene for Enteroaggregative E. coli Heat-Stable Enterotoxin 1. American Journal of Tropical Medicine and Hygiene, 2017, 96, 457-464.	1.4	13
53	Plasmid profiling and incompatibility grouping of multidrug resistant Salmonella enterica serovar Typhi isolates in Nairobi, Kenya. BMC Research Notes, 2019, 12, 422.	1.4	13
54	Multiresistant Shigella species from African AIDS Patients: Antibacterial Resistance Patterns and Application of the E-test for Determination of Minimum Inhibitory Concentration. Scandinavian Journal of Infectious Diseases, 1992, 24, 733-739.	1.5	12

#	Article	IF	Citations
55	Whole Genome Sequencing Reveals Virulence Potentials of Helicobacter pylori Strain KE21 Isolated from a Kenyan Patient with Gastric Signet Ring Cell Carcinoma. Toxins, 2020, 12, 556.	3.4	10
56	Imported SARS-CoV-2 Variants of Concern Drove Spread of Infections across Kenya during the Second Year of the Pandemic. Covid, 2022, 2, 586-598.	1.5	9
57	General contextual effects on neglected tropical disease risk in rural Kenya. PLoS Neglected Tropical Diseases, 2018, 12, e0007016.	3.0	8
58	Prevalence and risk factors for exposure to Toxoplasma gondii in slaughterhouse workers in western Kenya. BMC Infectious Diseases, 2021, 21, 944.	2.9	8
59	Evidence of exposure to C. burnetii among slaughterhouse workers in western Kenya. One Health, 2021, 13, 100305.	3.4	8
60	Carriage rate and serotypes of Streptococcus pneumoniae amongst children in Thika Hospital, Kenya. African Journal of Laboratory Medicine, 2013, 2, 45.	0.6	8
61	BSL-3 Laboratory User Training Program at NUITM-KEMRI. Tropical Medicine and Health, 2014, 42, 171-176.	2.8	7
62	Drug susceptibility profiles of pulmonary Mycobacterium tuberculosis isolates from patients in informal urban settlements in Nairobi, Kenya. BMC Infectious Diseases, 2016, 16, 583.	2.9	7
63	Typhoid is over-reported in Embu and Nairobi, Kenya. African Journal of Health Sciences, 2004, 11, 103-10.	0.1	7
64	Using big data and mobile health to manage diarrhoeal disease in children in low-income and middle-income countries: societal barriers and ethical implications. Lancet Infectious Diseases, The, 2022, 22, e130-e142.	9.1	7
65	The impact of fecal sample processing on prevalence estimates for antibiotic-resistant Escherichia coli. Journal of Microbiological Methods, 2017, 136, 71-77.	1.6	6
66	Research on Invasive Nontyphoidal Salmonella Disease and Developments Towards Better Understanding of Epidemiology, Management, and Control Strategies. Clinical Infectious Diseases, 2020, 71, S127-S129.	5.8	6
67	Combating Childhood Infections in LMICs: evaluating the contribution of Big Data Big data, biomarkers and proteomics: informing childhood diarrhoeal disease management in Low- and Middle-Income Countries. EBioMedicine, 2021, 73, 103668.	6.1	6
68	Molecular characterization of group A rotaviruses in Mukuru slums Kenya: detection of novel strains circulating in children below 5Âyears of age. BMC Research Notes, 2017, 10, 290.	1.4	5
69	Implementing a quality management system using good clinical laboratory practice guidelines at KEMRI-CMR to support medical research. Wellcome Open Research, 2018, 3, 137.	1.8	5
70	Virulence factors in environmental and clinical Vibrio cholerae from endemic areas in Kenya. African Journal of Laboratory Medicine, 2014, 3, 41.	0.6	3
71	A putative, novel coli surface antigen 8B (CS8B) of enterotoxigenicEscherichiacoli. Pathogens and Disease, 2015, 73, ftv047.	2.0	2
72	Implementing a quality management system using good clinical laboratory practice guidelines at KEMRI-CMR to support medical research. Wellcome Open Research, 2018, 3, 137.	1.8	2

#	Article	IF	Citations
73	Entamoeba species infection in patients seeking treatment for diarrhea and abdominal discomfort in Mukuru informal settlement in Nairobi, Kenya. Food and Waterborne Parasitology, 2021, 23, e00122.	2.7	2
74	Antimicrobial Resistance in endemic enteric infections in Kenya and the region, and efforts towards addressing the challenges. Journal of Infectious Diseases, 2021, , .	4.0	2
75	Molecular Epidemiology of Mycobacterium tuberculosis Complex Strains in Urban and Slum Settings of Nairobi, Kenya. Genes, 2022, 13, 475.	2.4	2
76	Detection and Characterization of Salmonella enterica Serotypes by Simple PCR Technologies. Methods in Molecular Biology, 2021, 2182, 161-177.	0.9	0