Akebe Luther King Abia

List of Publications by Year
in descending order

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79 papers	1,526 citations	304602 22 h-index	395590 33 g-index
80 all docs	80 docs citations	80 times ranked	1678 citing authors

#	Article	IF	Citations
1	Community-directed interventions for priority health problems in Africa: results of a multicountry study. Bulletin of the World Health Organization, 2010, 88, 509-518.	1.5	139
2	Metagenomic analysis of the bacterial communities and their functional profiles in water and sediments of the Apies River, South Africa, as a function of land use. Science of the Total Environment, 2018, 616-617, 326-334.	3.9	86
3	Impact of seasonal variation on Escherichia coli concentrations in the riverbed sediments in the Apies River, South Africa. Science of the Total Environment, 2015, 537, 462-469.	3.9	72
4	Quantitative microbial risk assessment (QMRA) shows increased public health risk associated with exposure to river water under conditions of riverbed sediment resuspension. Science of the Total Environment, 2016, 566-567, 1143-1151.	3.9	58
5	Phylogenetic Analysis and Antimicrobial Profiles of Cultured Emerging Opportunistic Pathogens (Phyla Actinobacteria and Proteobacteria) Identified in Hot Springs. International Journal of Environmental Research and Public Health, 2017, 14, 1070.	1.2	52
6	Removal of Noble Metal Ions (Ag⁺) by Mercapto Group-Containing Polypyrrole Matrix and Reusability of Its Waste Material in Environmental Applications. ACS Sustainable Chemistry and Engineering, 2017, 5, 2711-2724.	3.2	43
7	Molecular epidemiology of antibiotic-resistant Enterococcus spp. from the farm-to-fork continuum in intensive poultry production in KwaZulu-Natal, South Africa. Science of the Total Environment, 2019, 692, 868-878.	3.9	41
8	Microbial life beyond the grave: 16S rRNA gene-based metagenomic analysis of bacteria diversity and their functional profiles in cemetery environments. Science of the Total Environment, 2019, 655, 831-841.	3.9	39
9	Microstructure and Antimicrobial Properties of Bioactive Cobalt Co-Doped Copper Aluminosilicate Nanocrystallines. Silicon, 2020, 12, 2317-2327.	1.8	36
10	Insects, Rodents, and Pets as Reservoirs, Vectors, and Sentinels of Antimicrobial Resistance. Antibiotics, 2021, 10, 68.	1.5	35
11	Genomic analysis of methicillin-resistant Staphylococcus aureus isolated from poultry and occupational farm workers in Umgungundlovu District, South Africa. Science of the Total Environment, 2019, 670, 704-716.	3.9	33
12	Morphological Characterization and Determination of Aflatoxin-Production Potentials of Aspergillus flavus Isolated from Maize and Soil in Kenya. Agriculture (Switzerland), 2017, 7, 80.	1.4	32
13	Survival of E. coli O157:H7, Salmonella Typhimurium, HAdV2 and MNV-1 in river water under dark conditions and varying storage temperatures. Science of the Total Environment, 2019, 648, 1297-1304.	3.9	32
14	Review of Clinically and Epidemiologically Relevant Coagulase-Negative Staphylococci in Africa. Microbial Drug Resistance, 2020, 26, 951-970.	0.9	30
15	Design of a bioaugmented multistage biofilter for accelerated municipal wastewater treatment and deactivation of pathogenic microorganisms. Science of the Total Environment, 2020, 703, 134786.	3.9	29
16	Quantitative microbial risk assessment for waterborne pathogens in a wastewater treatment plant and its receiving surface water body. BMC Microbiology, 2020, 20, 346.	1.3	29
17	Antibiotic Resistance in Staphylococcus aureus from Poultry and Poultry Products in uMgungundlovu District, South Africa, Using the â€œFarm to Forkâ€•Approach. Microbial Drug Resistance, 2020, 26, 402-411.	0.9	28
18	High prevalence of multiple-antibiotic-resistant (MAR) Escherichia coli in river bed sediments of the Apies River, South Africa. Environmental Monitoring and Assessment, 2015, 187, 652.	1.3	27

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19	Competitive Survival of Escherichia coli, Vibrio cholerae, Salmonella typhimurium and Shigella dysenteriae in Riverbed Sediments. Microbial Ecology, 2016, 72, 881-889.	1.4	26
20	Characterization and Phylogenetic Analysis of Campylobacter Species Isolated from Paediatric Stool and Water Samples in the Northwest Province, South Africa. International Journal of Environmental Research and Public Health, 2019, 16, 2205.	1.2	26
21	Nanoceramics and novel functionalized silicate-based magnetic nanocomposites as substitutional disinfectants for water and wastewater purification. Environmental Science and Pollution Research, 2020, 27, 26668-26680.	2.7	26
22	Genomic Analysis of Carbapenemase-Producing Extensively Drug-Resistant Klebsiella pneumoniae Isolates Reveals the Horizontal Spread of p18-43_01 Plasmid Encoding blaNDM-1 in South Africa. Microorganisms, 2020, 8, 137.	1.6	25
23	Microbial Remobilisation on Riverbed Sediment Disturbance in Experimental Flumes and a Human-Impacted River: Implication for Water Resource Management and Public Health in Developing Sub-Saharan African Countries. International Journal of Environmental Research and Public Health, 2017, 14, 306.	1.2	22
24	From Farm-to-Fork: E. Coli from an Intensive Pig Production System in South Africa Shows High Resistance to Critically Important Antibiotics for Human and Animal Use. Antibiotics, 2021, 10, 178.	1.5	22
25	Genomic Insights of Multidrug-Resistant Escherichia coli From Wastewater Sources and Their Association With Clinical Pathogens in South Africa. Frontiers in Veterinary Science, 2021, 8, 636715.	0.9	22
26	Characterisation of Campylobacter spp. Isolated from Poultry in KwaZulu-Natal, South Africa. Antibiotics, 2020, 9, 42.	1.5	22
27	Riverbed sediments in the Apies River, South Africa: recommending the use of both Clostridium perfringens and Escherichia coli as indicators of faecal pollution. Journal of Soils and Sediments, 2015, 15, 2412-2424.	1.5	21
28	Mobile genetic elements-mediated Enterobacterales-associated carbapenemase antibiotic resistance genes propagation between the environment and humans: A One Health South African study. Science of the Total Environment, 2022, 806, 150641.	3.9	21
29	Multidrug-Resistant Coagulase-Negative Staphylococci Isolated from Bloodstream in the uMgungundlovu District of KwaZulu-Natal Province in South Africa: Emerging Pathogens. Antibiotics, 2021, 10, 198.	1.5	20
30	Antibiotic-Resistant Pathogenic Escherichia Coli Isolated from Rooftop Rainwater-Harvesting Tanks in the Eastern Cape, South Africa. International Journal of Environmental Research and Public Health, 2018, 15, 892.	1.2	19
31	Preparation and evaluation of quaternary imidazolium-modified montmorillonite for disinfection of drinking water. Applied Clay Science, 2016, 127-128, 95-104.	2.6	18
32	Abundance of Pathogenic Escherichia coli Virulence-Associated Genes in Well and Borehole Water Used for Domestic Purposes in a Peri-Urban Community of South Africa. International Journal of Environmental Research and Public Health, 2017, 14, 320.	1.2	18
33	Where Did They Come fromâ€"Multi-Drug Resistant Pathogenic Escherichia coli in a Cemetery Environment?. Antibiotics, 2018, 7, 73.	1.5	16
34	Molecular Epidemiology of Antibiotic-Resistant Escherichia coli from Farm-to-Fork in Intensive Poultry Production in KwaZulu-Natal, South Africa. Antibiotics, 2020, 9, 850.	1.5	16
35	Antibiotic Susceptibility and Molecular Characterization of Uropathogenic Escherichia coli Associated with Community-Acquired Urinary Tract Infections in Urban and Rural Settings in South Africa. Tropical Medicine and Infectious Disease, 2020, 5, 176.	0.9	15
36	Occurrence, Antimicrobial Resistance, and Molecular Characterization of Campylobacter spp. in Intensive Pig Production in South Africa. Pathogens, 2021, 10, 439.	1.2	15

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37	Analysis of Wastewater Reveals the Spread of Diverse Extended-Spectrum Î²-Lactamase-Producing E. coli Strains in uMgungundlovu District, South Africa. Antibiotics, 2021, 10, 860.	1.5	14
38	Development of a rapid approach for the enumeration of Escherichia coli in riverbed sediment: case study, the Apies River, South Africa. Journal of Soils and Sediments, 2015, 15, 2425-2432.	1.5	13
39	Genetic relatedness of faecal coliforms and enterococci bacteria isolated from water and sediments of the Apies River, Gauteng, South Africa. AMB Express, 2017, 7, 20.	1.4	13
40	Rethinking Manure Application: Increase in Multidrug-Resistant Enterococcus spp. in Agricultural Soil Following Chicken Litter Application. Microorganisms, 2021, 9, 885.	1.6	13
41	A Public Health Insight into Salmonella in Poultry in Africa: A Review of the Past Decade: 2010â€“2020. Microbial Drug Resistance, 2022, 28, 710-733.	0.9	13
42	Burden, Antibiotic Resistance, and Clonality of Shigella spp. Implicated in Community-Acquired Acute Diarrhoea in Lilongwe, Malawi. Tropical Medicine and Infectious Disease, 2021, 6, 63.	0.9	12
43	Genomic Investigation of Carbapenem-Resistant Klebsiella pneumonia Colonization in an Intensive Care Unit in South Africa. Genes, 2021, 12, 951.	1.0	11
44	Genomic Analysis of Antibiotic-Resistant Staphylococcus epidermidis Isolates From Clinical Sources in the Kwazulu-Natal Province, South Africa. Frontiers in Microbiology, 2021, 12, 656306.	1.5	11
45	Transmission of Antibiotic-Resistant Escherichia coli from Chicken Litter to Agricultural Soil. Frontiers in Environmental Science, 2022, 9, .	1.5	11
46	The impact of various land uses on the microbial and physicochemical quality of surface water bodies in developing countries: Prioritisation of water resources management areas. Environmental Nanotechnology, Monitoring and Management, 2017, 8, 280-289.	1.7	10
47	Genetic characterization of <i>Salmonella</i> and <i>Shigella</i> spp. isolates recovered from water and riverbed sediment of the Apies River, South Africa. Water S A, 2017, 43, 387.	0.2	10
48	Bacterial diversity and functional profile of microbial populations on surfaces in public hospital environments in South Africa: A high throughput metagenomic analysis. Science of the Total Environment, 2020, 719, 137360.	3.9	10
49	Pathogenomic Analysis of a Novel Extensively Drug-Resistant Citrobacter freundii Isolate Carrying a blaNDM-1 Carbapenemase in South Africa. Pathogens, 2020, 9, 89.	1.2	10
50	Staphylococcus aureus in Intensive Pig Production in South Africa: Antibiotic Resistance, Virulence Determinants, and Clonality. Pathogens, 2021, 10, 317.	1.2	10
51	Antibiotic Resistance Profile and Clonality of E. coli Isolated from Water and Paediatric Stool Samples in the North-West, Province South Africa. Journal of Pure and Applied Microbiology, 2019, 13, 517-530.	0.3	10
52	Molecular Epidemiology of Salmonella enterica in Poultry in South Africa Using the Farm-to-Fork Approach. International Journal of Microbiology, 2022, 2022, 1-12.	0.9	10
53	Occurrence of diarrhoeagenic Escherichia coli virulence genes in water and bed sediments of a river used by communities in Gauteng, South Africa. Environmental Science and Pollution Research, 2016, 23, 15665-15674.	2.7	9
54	Genome Mining and Comparative Pathogenomic Analysis of An Endemic Methicillin-Resistant Staphylococcus Aureus (MRSA) Clone, ST612-CC8-t1257-SCCmec_IVd(2B), Isolated in South Africa. Pathogens, 2019, 8, 166.	1.2	9

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55	Genomic Analysis of Enterococcus spp. Isolated From a Wastewater Treatment Plant and Its Associated Waters in Umgungundlovu District, South Africa. Frontiers in Microbiology, 2021, 12, 648454.	1.5	9
56	Eco-friendly bioremediation approach for crude oil-polluted soils using a novel and biostimulated Enterobacter hormaechei ODB H32 strain. International Journal of Environmental Science and Technology, 2022, 19, 10577-10588.	1.8	9
57	Riverbed Sediments as Reservoirs of MultipleVibrio choleraeVirulence-Associated Genes: A Potential Trigger for Cholera Outbreaks in Developing Countries. Journal of Environmental and Public Health, 2017, 2017, 1-9.	0.4	8
58	From the Farms to the Dining Table: The Distribution and Molecular Characteristics of Antibiotic-Resistant Enterococcus spp. in Intensive Pig Farming in South Africa. Microorganisms, 2021, 9, 882.	1.6	8
59	Not All Street Food Is Bad: Low Prevalence of Antibiotic-Resistant Salmonella enterica in Ready-to-Eat (RTE) Meats in Ghana Is Associated with Good Vendorsâ€™ Knowledge of Meat Safety. Foods, 2021, 10, 1011.	1.9	8
60	Prevalence of pathogenic microorganisms and their correlation with the abundance of indicator organisms in riverbed sediments. International Journal of Environmental Science and Technology, 2016, 13, 2905-2916.	1.8	7
61	Low-Cost Technology for the Purification of Wastewater Contaminated with Pathogenic Bacteria and Heavy Metals. Water, Air, and Soil Pollution, 2020, 231, 1.	1.1	7
62	Mixed Aetiology of Diarrhoea in Infants Attending Clinics in the North-West Province of South Africa: Potential for Sub-Optimal Treatment. Pathogens, 2020, 9, 198.	1.2	7
63	Longitudinal Surveillance of Antibiotic Resistance in Escherichia coli and Enterococcus spp. from a Wastewater Treatment Plant and Its Associated Waters in KwaZulu-Natal, South Africa. Microbial Drug Resistance, 2021, 27, 904-918.	0.9	7
64	Comparative Pathogenomics of Aeromonas veronii from Pigs in South Africa: Dominance of the Novel ST657 Clone. Microorganisms, 2020, 8, 2008.	1.6	6
65	Food animals as reservoirs and potential sources of multidrug-resistant diarrheagenic E. coli pathotypes: Focus on intensive pig farming in South Africa. Onderstepoort Journal of Veterinary Research, 2022, 89, e1-e13.	0.6	6
66	Application of solar treatment for the disinfection of geophagic clays from markets and mining sites. African Journal of Biotechnology, 2015, 16, 3313-3324.	0.3	5
67	Dirty Money on Holy Ground: Isolation of Potentially Pathogen-ic Bacteria and Fungi on Money Collected from Church Offer-ings. Iranian Journal of Public Health, 0, , .	0.3	4
68	Some Bacterial Pathogens of Public Health Concern in Water and Wastewater: An African Perspective. , 2020, , 1-27.		3
69	The efficiency of a low-cost hydrogen sulphide (H2S) kit as an early warning test for assessing microbial rainwater quality and its correlation with standard indicators microorganisms. Nova Biotechnologica Et Chimica, 2019, 18, 133-143.	0.1	3
70	Dirty Money on Holy Ground: Isolation of Potentially Pathogenic Bacteria and Fungi on Money Collected from Church Offerings. Iranian Journal of Public Health, 2019, 48, 849-857.	0.3	3
71	Whole-Genome Shotgun Sequence of Drug-Resistant Staphylococcus aureus Strain SA9, Isolated from a Slaughterhouse Chicken Carcass in South Africa. Microbiology Resource Announcements, 2019, 8, .	0.3	2
72	Reservoirs of Cryptosporidium and Giardia in Africa. , 2020, , 115-135.		2

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73	Shared Microbiome in Different Ecosystems: A Meta-Omics Perspective. , 2019, , 1-20.		1
74	First genome sequence of Aeromonas hydrophilia novel sequence type 658 strain isolated from livestock in South Africa. Journal of Global Antimicrobial Resistance, 2021, 24, 175-177.	0.9	1
75	Investigation into the bacterial diversity of sediment samples obtained from Berg River, Western Cape, South Africa. Folia Microbiologica, 2021, 66, 931-947.	1.1	1
76	Genomic analysis of antibiotic-resistant Enterobacter spp. from wastewater sources in South Africa: The first report of the mobilisable colistin resistance mcr-10 gene in Africa. Ecological Genetics and Genomics, 2021, 21, 100104.	0.3	1
77	Multivariate Statistical and Hydrochemical Analysis of Drinking Water Resources in Northern Cameroon Watersheds. Water (Switzerland), 2021, 13, 3055.	1.2	1
78	Antibiotic-resistant bacteria and antibiotic resistance genes in aquatic systems: Occurrence, behaviour, and fate. , 2022, , 121-136.		1
79	Emerging and Reemerging Bacterial Pathogens of Humans in Environmental and Hospital Settings. , 2020, , 29-67.		0