John Osei Sekyere

List of Publications by Year in descending order

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49 papers	1,799 citations	318942 23 h-index	340414 39 g-index
67 all docs	67 docs citations	67 times ranked	2422 citing authors

#	Article	IF	Citations
1	Current and emerging polymyxin resistance diagnostics: A systematic review of established and novel detection methods. Journal of Applied Microbiology, 2022, 132, 8-30.	1.4	8
2	Genetic support of carbapenemases: a One Health systematic review and metaâ€analysis of current trends in Africa. Annals of the New York Academy of Sciences, 2022, 1509, 50-73.	1.8	2
3	Phylogenomics, epigenomics, virulome and mobilome of Gramâ€negative bacteria coâ€resistant to carbapenems and polymyxins: a <scp>One Health</scp> systematic review and metaâ€analyses. Environmental Microbiology, 2022, 24, 1518-1542.	1.8	9
4	Global evolutionary epidemiology and resistome dynamics of Citrobacter species, Enterobacter hormaechei, Klebsiella variicola, and Proteeae clones. Environmental Microbiology, 2021, 23, 7412-7431.	1.8	7
5	Risk factors for, and molecular epidemiology and clinical outcomes of, carbapenemâ€and polymyxinâ€resistant Gramâ€negative bacterial infections in pregnant women, infants, and toddlers: a systematic review and metaâ€analyses. Annals of the New York Academy of Sciences, 2021, 1502, 54-71.	1.8	11
6	High prevalence of multidrug resistant ESBL- and plasmid mediated AmpC-producing clinical isolates of Escherichia coli at Maputo Central Hospital, Mozambique. BMC Infectious Diseases, 2021, 21, 16.	1.3	24
7	Genomic analysis of two drugâ€resistant clinical Morganella morganii strains isolated from UTI patients in Pretoria, South Africa. Letters in Applied Microbiology, 2020, 70, 21-28.	1.0	18
8	Molecular epidemiology and mechanisms of antibiotic resistance in Enterococcus spp., Staphylococcus spp., and Streptococcus spp. in Africa: a systematic review from a One Health perspective. Annals of the New York Academy of Sciences, 2020, 1465, 29-58.	1.8	29
9	Genomic analysis of a multidrugâ€resistant clinical Providencia rettgeri (PR002) strain with the novel integron In1483 and an A/C plasmid replicon. Annals of the New York Academy of Sciences, 2020, 1462, 92-103.	1.8	33
10	Genomic and Resistance Epidemiology of Gram-Negative Bacteria in Africa: a Systematic Review and Phylogenomic Analyses from a One Health Perspective. MSystems, 2020, 5, .	1.7	34
11	Emerging Transcriptional and Genomic Mechanisms Mediating Carbapenem and Polymyxin Resistance in Enterobacteriaceae : a Systematic Review of Current Reports. MSystems, 2020, 5, .	1.7	49
12	Emergence of mcr-9.1 in Extended-Spectrum-Î²-Lactamase-Producing Clinical Enterobacteriaceae in Pretoria, South Africa: Global Evolutionary Phylogenomics, Resistome, and Mobilome. MSystems, 2020, 5, .	1.7	31
13	Comparative Evaluation of CHROMagar COL-APSE, MicroScan Walkaway, ComASP Colistin, and Colistin MAC Test in Detecting Colistin-resistant Gram-Negative Bacteria. Scientific Reports, 2020, 10, 6221.	1.6	15
14	Pathogenomics and Evolutionary Epidemiology of Multi-Drug Resistant Clinical Klebsiella pneumoniae Isolated from Pretoria, South Africa. Scientific Reports, 2020, 10, 1232.	1.6	31
15	Epigenomics, genomics, resistome, mobilome, virulome and evolutionary phylogenomics of carbapenem-resistant Klebsiella pneumoniae clinical strains. Microbial Genomics, 2020, 6, .	1.0	24
16	Mycobacterium tuberculosis, antimicrobials, immunity, and lungâ€“gut microbiota crosstalk: current updates and emerging advances. Annals of the New York Academy of Sciences, 2020, 1467, 21-47.	1.8	35
17	Î²-lactam and fluoroquinolone resistance in Enterobacteriaceae from imported and locally-produced chicken in Mozambique. Journal of Infection in Developing Countries, 2020, 14, 471-478.	0.5	9
18	Mcr colistin resistance gene: a systematic review of current diagnostics and detection methods. MicrobiologyOpen, 2019, 8, e00682.	1.2	54

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19	Antibiotic resistance of Mycobacterium tuberculosis complex in Africa: A systematic review of current reports of molecular epidemiology, mechanisms and diagnostics. Journal of Infection, 2019, 79, 550-571.	1.7	15
20	The Resistome, Mobilome, Virulome and Phylogenomics of Multidrug-Resistant Escherichia coli Clinical Isolates from Pretoria, South Africa. Scientific Reports, 2019, 9, 16457.	1.6	47
21	Plasmid evolution in carbapenemaseâ€producing Enterobacteriaceae: a review. Annals of the New York Academy of Sciences, 2019, 1457, 61-91.	1.8	135
22	A rare case of Colistin-resistant Salmonella Enteritidis meningitis in an HIV-seropositive patient. BMC Infectious Diseases, 2019, 19, 806.	1.3	21
23	Phylogenomic and epidemiological insights into two clinical Mycobacterium bovis BCG strains circulating in South Africa. International Journal of Infectious Diseases, 2019, 87, 32-38.	1.5	2
24	Genome sequence of a clinical Salmonella Enteritidis sequence type 11 strain from South Africa. Journal of Global Antimicrobial Resistance, 2019, 19, 164-166.	0.9	8
25	Impact of Pyridyl Moieties on the Inhibitory Properties of Prominent Acyclic Metal Chelators Against Metallo-Î²-Lactamase-Producing Enterobacteriaceae: Investigating the Molecular Basis of Acyclic Metal Chelators' Activity. Microbial Drug Resistance, 2019, 25, 439-449.	0.9	11
26	A Comparative Evaluation of the New Genexpert MTB/RIF Ultra and other Rapid Diagnostic Assays for Detecting Tuberculosis in Pulmonary and Extra Pulmonary Specimens. Scientific Reports, 2019, 9, 16587.	1.6	43
27	Understanding antimicrobial discovery and resistance from a metagenomic and metatranscriptomic perspective: advances and applications. Environmental Microbiology Reports, 2019, 11, 62-86.	1.0	34
28	In vitro potentiation of carbapenems with tannic acid against carbapenemase-producing enterobacteriaceae: exploring natural products as potential carbapenemase inhibitors. Journal of Applied Microbiology, 2019, 126, 452-467.	1.4	11
29	1,4,7-Triazacyclononane Restores the Activity of Î²-Lactam Antibiotics against Metallo-Î²-Lactamase-ProducingEnterobacteriaceae: Exploration of Potential Metallo-Î²-Lactamase Inhibitors. Applied and Environmental Microbiology, 2019, 85, .	1.4	13
30	Tet(M) Mediates Tetracycline Resistance in Methicillin-Resistant Staphylococcus aureus (MRSA) Clinical Isolates from the Private Hospital Sector in KwaZulu-Natal (KZN), South Africa. Journal of Pure and Applied Microbiology, 2019, 13, 51-59.	0.3	0
31	Spread of Plasmid-Encoded NDM-1 and GES-5 Carbapenemases among Extensively Drug-Resistant and Pandrug-Resistant Clinical Enterobacteriaceae in Durban, South Africa. Antimicrobial Agents and Chemotherapy, 2018, 62, .	1.4	65
32	Multi- and Extensively Drug Resistant Mycobacterium tuberculosis in South Africa: a Molecular Analysis of Historical Isolates. Journal of Clinical Microbiology, 2018, 56, .	1.8	27
33	Candida auris: A systematic review and metaâ€analysis of current updates on an emerging multidrugâ€resistant pathogen. MicrobiologyOpen, 2018, 7, e00578.	1.2	186
34	Emerging mechanisms of antimicrobial resistance in bacteria and fungi: advances in the era of genomics. Future Microbiology, 2018, 13, 241-262.	1.0	76
35	ISAba1 Regulated OXA-23 Carbapenem Resistance in Acinetobacter baumannii Strains in Durban, South Africa. Microbial Drug Resistance, 2018, 24, 1289-1295.	0.9	15
36	Genomic insights into nitrofurantoin resistance mechanisms and epidemiology in clinical Enterobacteriaceae. Future Science OA, 2018, 4, FSO293.	0.9	31

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37	Diversity and Proliferation of Metallo-Î²-Lactamases: a Clarion Call for Clinically Effective Metallo-Î²-Lactamase Inhibitors. Applied and Environmental Microbiology, 2018, 84, .	1.4	71
38	Faecal colonization of E. coli and Klebsiella spp. producing extended-spectrum beta-lactamases and plasmid-mediated AmpC in Mozambican university students. BMC Infectious Diseases, 2018, 18, 244.	1.3	35
39	Carbonyl Cyanide m-Chlorophenylhydrazine (CCCP) Reverses Resistance to Colistin, but Not to Carbapenems and Tigecycline in Multidrug-Resistant Enterobacteriaceae. Frontiers in Microbiology, 2017, 8, 228.	1.5	94
40	Genomic and phenotypic characterisation of fluoroquinolone resistance mechanisms in Enterobacteriaceae in Durban, South Africa. PLoS ONE, 2017, 12, e0178888.	1.1	53
41	First Report of a Whole-Genome Shotgun Sequence of a Clinical Enterococcus faecalis Sequence Type 6 Strain from South Africa. Genome Announcements, 2017, 5, .	0.8	3
42	Draft Genome Sequence of a Clinical Enterococcus faecium Sequence Type 18 Strain from South Africa. Genome Announcements, 2017, 5, .	0.8	4
43	Current State of Resistance to Antibiotics of Last-Resort in South Africa: A Review from a Public Health Perspective. Frontiers in Public Health, 2016, 4, 209.	1.3	65
44	Colistin and tigecycline resistance in carbapenemase-producing Gram-negative bacteria: emerging resistance mechanisms and detection methods. Journal of Applied Microbiology, 2016, 121, 601-617.	1.4	109
45	The Molecular Epidemiology and Genetic Environment of Carbapenemases Detected in Africa. Microbial Drug Resistance, 2016, 22, 59-68.	0.9	44
46	Comparison of Existing Phenotypic and Genotypic Tests for the Detection of NDM and GES Carbapenemase- Producing Enterobacteriaceae. Journal of Pure and Applied Microbiology, 2016, 10, 2585-2591.	0.3	8
47	Prevalence of Multidrug Resistance among Salmonella enterica Serovar Typhimurium Isolated from Pig Faeces in Ashanti Region, Ghana. International Journal of Antibiotics, 2015, 2015, 1-4.	1.2	8
48	Review of established and innovative detection methods for carbapenemase-producing Gram-negative bacteria. Journal of Applied Microbiology, 2015, 119, 1219-1233.	1.4	65
49	Antibiotic Types and Handling Practices in Disease Management among Pig Farms in Ashanti Region, Ghana. Journal of Veterinary Medicine, 2014, 2014, 1-8.	1.6	36