

Daniel Gyamfi Amoako

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

89
papers

1,492
citations

17
h-index

36
g-index

103
ext. papers

4,065
ext. citations

8
avg, IF

4.75
L-index

#	Paper	IF	Citations
89	Omicron extensively but incompletely escapes Pfizer BNT162b2 neutralization.. <i>Nature</i> , 2021 ,	50.4	209
88	Rapid epidemic expansion of the SARS-CoV-2 Omicron variant in southern Africa.. <i>Nature</i> , 2022 ,	50.4	205
87	Early assessment of the clinical severity of the SARS-CoV-2 omicron variant in South Africa: a data linkage study.. <i>Lancet, The</i> , 2022 ,	40	152
86	SARS-CoV-2 Omicron has extensive but incomplete escape of Pfizer BNT162b2 elicited neutralization and requires ACE2 for infection. 2021 ,		130
85	Carbonyl Cyanide m-Chlorophenylhydrazine (CCCP) Reverses Resistance to Colistin, but Not to Carbapenems and Tigecycline in Multidrug-Resistant. <i>Frontiers in Microbiology</i> , 2017 , 8, 228	5.7	57
84	Diversity and Proliferation of Metallo- β -Lactamases: a Clarion Call for Clinically Effective Metallo- β -Lactamase Inhibitors. <i>Applied and Environmental Microbiology</i> , 2018 , 84,	4.8	49
83	Early assessment of the clinical severity of the SARS-CoV-2 Omicron variant in South Africa		38
82	Genomic and phenotypic characterisation of fluoroquinolone resistance mechanisms in Enterobacteriaceae in Durban, South Africa. <i>PLoS ONE</i> , 2017 , 12, e0178888	3.7	35
81	A year of genomic surveillance reveals how the SARS-CoV-2 pandemic unfolded in Africa. <i>Science</i> , 2021 , 374, 423-431	33.3	35
80	Antibiotic Resistance in Food Animals in Africa: A Systematic Review and Meta-Analysis. <i>Microbial Drug Resistance</i> , 2018 , 24, 648-665	2.9	33
79	Omicron extensively but incompletely escapes Pfizer BNT162b2 neutralization. <i>Nature</i> ,	50.4	31
78	Molecular epidemiology of antibiotic-resistant Enterococcus spp. from the farm-to-fork continuum in intensive poultry production in KwaZulu-Natal, South Africa. <i>Science of the Total Environment</i> , 2019 , 692, 868-878	10.2	25
77	Emergence and phenotypic characterization of C.1.2, a globally detected lineage that rapidly accumulated mutations of concern		23
76	Genomic analysis of methicillin-resistant Staphylococcus aureus isolated from poultry and occupational farm workers in Umgungundlovu District, South Africa. <i>Science of the Total Environment</i> , 2019 , 670, 704-716	10.2	21
75	Rapid epidemic expansion of the SARS-CoV-2 Omicron variant in southern Africa. <i>Nature</i> ,	50.4	20
74	Antibacterial Activity of Teixobactin Derivatives on Clinically Relevant Bacterial Isolates. <i>Frontiers in Microbiology</i> , 2018 , 9, 1535	5.7	19
73	Rapid replacement of the Beta variant by the Delta variant in South Africa		17

72	Review of Clinically and Epidemiologically Relevant Coagulase-Negative Staphylococci in Africa. <i>Microbial Drug Resistance</i> , 2020 , 26, 951-970	2.9	15
71	Antibiotic Resistance in from Poultry and Poultry Products in uMgungundlovu District, South Africa, Using the "Farm to Fork" Approach. <i>Microbial Drug Resistance</i> , 2020 , 26, 402-411	2.9	15
70	Genomic characterization of multidrug-resistant ESBL-producing <i>Klebsiella pneumoniae</i> isolated from a Ghanaian teaching hospital. <i>International Journal of Infectious Diseases</i> , 2019 , 85, 117-123	10.5	14
69	Genomic Analysis of CarbapenemaseProducing Extensively Drug-Resistant Isolates Reveals the Horizontal Spread of p18-43_01 Plasmid Encoding in South Africa. <i>Microorganisms</i> , 2020 , 8,	4.9	14
68	Genomic analysis of a multidrug-resistant clinical <i>Providencia rettgeri</i> (PR002) strain with the novel integron ln1483 and an A/C plasmid replicon. <i>Annals of the New York Academy of Sciences</i> , 2020 , 1462, 92-103	6.5	14
67	Plasmid-mediated resistance and virulence mechanisms in the private health sector in KwaZulu-Natal, South Africa: An investigation of methicillin resistant <i>Staphylococcus aureus</i> (MRSA) clinical isolates collected during a three month period. <i>International Journal of Infectious Diseases</i> , 2016 , 46, 38-44	10.5	14
66	Rapid epidemic expansion of the SARS-CoV-2 Omicron variant in southern Africa		12
65	Impact of Pyridyl Moieties on the Inhibitory Properties of Prominent Acyclic Metal Chelators Against Metallo- β -Lactamase-Producing Enterobacteriaceae: Investigating the Molecular Basis of Acyclic Metal Chelators' Activity. <i>Microbial Drug Resistance</i> , 2019 , 25, 439-449	2.9	10
64	Quantitative microbial risk assessment for waterborne pathogens in a wastewater treatment plant and its receiving surface water body. <i>BMC Microbiology</i> , 2020 , 20, 346	4.5	10
63	1,4,7-Triazacyclononane Restores the Activity of β -Lactam Antibiotics against Metallo- β -Lactamase-Producing : Exploration of Potential Metallo- β -Lactamase Inhibitors. <i>Applied and Environmental Microbiology</i> , 2019 , 85,	4.8	10
62	From Farm-to-Fork: from an Intensive Pig Production System in South Africa Shows High Resistance to Critically Important Antibiotics for Human and Animal Use. <i>Antibiotics</i> , 2021 , 10,	4.9	10
61	Selection analysis identifies clusters of unusual mutational changes in Omicron lineage BA.1 that likely impact Spike function.. <i>Molecular Biology and Evolution</i> , 2022 ,	8.3	10
60	Rethinking Manure Application: Increase in Multidrug-Resistant spp. in Agricultural Soil Following Chicken Litter Application. <i>Microorganisms</i> , 2021 , 9,	4.9	9
59	Genome Mining and Comparative Pathogenomic Analysis of An Endemic Methicillin-Resistant (MRSA) Clone, ST612-CC8-t1257-SCCmec_IVd(2B), Isolated in South Africa. <i>Pathogens</i> , 2019 , 8,	4.5	8
58	Understanding the Hsp90 -terminal Dynamics: Structural and Molecular Insights into the Therapeutic Activities of Anticancer Inhibitors Radicol (RD) and Radicol Derivative (NVP-YUA922). <i>Molecules</i> , 2020 , 25,	4.8	8
57	Selection analysis identifies unusual clustered mutational changes in Omicron lineage BA.1 that likely impact Spike function. 2022 ,		8
56	Characterisation of spp. Isolated from Poultry in KwaZulu-Natal, South Africa. <i>Antibiotics</i> , 2020 , 9,	4.9	8
55	Cytoproliferative and Anti-Oxidant Effects Induced by Tannic Acid in Human Embryonic Kidney (Hek-293) Cells. <i>Biomolecules</i> , 2019 , 9,	5.9	8

54	In vitro potentiation of carbapenems with tannic acid against carbapenemase-producing enterobacteriaceae: exploring natural products as potential carbapenemase inhibitors. <i>Journal of Applied Microbiology</i> , 2019 , 126, 452-467	4.7	8
53	Multidrug-Resistant Coagulase-Negative Staphylococci Isolated from Bloodstream in the uMgungundlovu District of KwaZulu-Natal Province in South Africa: Emerging Pathogens. <i>Antibiotics</i> , 2021 , 10,	4.9	8
52	Molecular Epidemiology of Antibiotic-Resistant from Farm-To-Fork in Intensive Poultry Production in KwaZulu-Natal, South Africa. <i>Antibiotics</i> , 2020 , 9,	4.9	7
51	Mechanistic Insights into Oxidative Stress and Apoptosis Mediated by Tannic Acid in Human Liver Hepatocellular Carcinoma Cells. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	7
50	Genomic Insights of Multidrug-Resistant From Wastewater Sources and Their Association With Clinical Pathogens in South Africa. <i>Frontiers in Veterinary Science</i> , 2021 , 8, 636715	3.1	7
49	Continued Emergence and Evolution of Omicron in South Africa: New BA.4 and BA.5 lineages		7
48	Omicron sub-lineages BA.4/BA.5 escape BA.1 infection elicited neutralizing immunity		7
47	Prevalence and Antimicrobial Resistance of Isolated from Various Meat Types in the Tamale Metropolis of Ghana. <i>International Journal of Food Science</i> , 2020 , 2020, 8877196	3.4	6
46	Fluorinated Quaternary Chitosan Derivatives: Synthesis, Characterization, Antibacterial Activity, and Killing Kinetics. <i>ACS Omega</i> , 2020 , 5, 29657-29666	3.9	5
45	Genomic Investigation into the Virulome, Pathogenicity, Stress Response Factors, Clonal Lineages, and Phylogenetic Relationship of Strains Isolated from Meat Sources in Ghana. <i>Genes</i> , 2020 , 11,	4.2	4
44	Prevalence, phylogenomic insights, and phenotypic characterization of isolated from meats in the Tamale metropolis of Ghana. <i>Food Science and Nutrition</i> , 2020 , 8, 3647-3655	3.2	4
43	Pathogenomic Analysis of a Novel Extensively Drug-Resistant Isolate Carrying a bla Carbapenemase in South Africa. <i>Pathogens</i> , 2020 , 9,	4.5	4
42	Toxicogenicity and mechanistic pathways of aflatoxin B1 induced renal injury. <i>Environmental Toxicology</i> , 2021 , 36, 1857-1872	4.2	4
41	Longitudinal Surveillance of Antibiotic Resistance in and spp. from a Wastewater Treatment Plant and Its Associated Waters in KwaZulu-Natal, South Africa. <i>Microbial Drug Resistance</i> , 2021 , 27, 904-918	2.9	4
40	Influenza Viruses: Harnessing the Crucial Role of the M2 Ion-Channel and Neuraminidase toward Inhibitor Design. <i>Molecules</i> , 2021 , 26,	4.8	4
39	Synthesis, characterization and antimicrobial activities of quaternary chitosan-based materials. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018 , 430, 012048	0.4	4
38	Mobile genetic elements-mediated Enterobacteriales-associated carbapenemase antibiotic resistance genes propagation between the environment and humans: A One Health South African study. <i>Science of the Total Environment</i> , 2022 , 806, 150641	10.2	4
37	Draft Genome Sequence of <i>Providencia rettgeri</i> APW139_S1, an NDM-18-Producing Clinical Strain Originating from Hospital Effluent in South Africa. <i>Microbiology Resource Announcements</i> , 2019 , 8,	1.3	3

36	First Report of a Whole-Genome Shotgun Sequence of a Clinical Sequence Type 6 Strain from South Africa. <i>Genome Announcements</i> , 2017 , 5,		3
35	Draft Genome Sequence of a Clinical Sequence Type 18 Strain from South Africa. <i>Genome Announcements</i> , 2017 , 5,		3
34	in Intensive Pig Production in South Africa: Antibiotic Resistance, Virulence Determinants, and Clonality. <i>Pathogens</i> , 2021 , 10,	4-5	3
33	Burden, Antibiotic Resistance, and Clonality of spp. Implicated in Community-Acquired Acute Diarrhoea in Lilongwe, Malawi. <i>Tropical Medicine and Infectious Disease</i> , 2021 , 6,	3-5	3
32	Occurrence, Antimicrobial Resistance, and Molecular Characterization of spp. in Intensive Pig Production in South Africa. <i>Pathogens</i> , 2021 , 10,	4-5	3
31	Occurrence, Antibiotic Resistance, Virulence Factors, and Genetic Diversity of spp. from Public Hospital Environments in South Africa. <i>Microbial Drug Resistance</i> , 2021 , 27, 1692-1704	2-9	3
30	Emergence and phenotypic characterization of the global SARS-CoV-2 C.1.2 lineage.. <i>Nature Communications</i> , 2022 , 13, 1976	17.4	3
29	Heat Shock Protein 90 (HSP90) Inhibitors as Anticancer Medicines: A Review on the Computer-Aided Drug Discovery Approaches over the Past Five Years. <i>Computational and Mathematical Methods in Medicine</i> , 2022 , 2022, 1-20	2.8	3
28	Molecular Insights Into Di(2-Picolyl) Amine-Induced Cytotoxicity and Apoptosis in Human Kidney (HEK293) Cells. <i>International Journal of Toxicology</i> , 2020 , 39, 341-351	2.4	2
27	Transmission of Antibiotic-Resistant Escherichia coli from Chicken Litter to Agricultural Soil. <i>Frontiers in Environmental Science</i> , 9,	4.8	2
26	From the Farms to the Dining Table: The Distribution and Molecular Characteristics of Antibiotic-Resistant spp. in Intensive Pig Farming in South Africa. <i>Microorganisms</i> , 2021 , 9,	4-9	2
25	Exploring the impact of H5N1 neuraminidase (H274Y) mutation on Peramivir: a bio-computational study from a molecular perspective. <i>Journal of Biomolecular Structure and Dynamics</i> , 2020 , 38, 4344-4352	3.6	2
24	Whole-Genome Sequence of a Novel Sequence Type 3136 Carbapenem-Resistant Klebsiella pneumoniae Strain Isolated from a Hospitalized Patient in Durban, South Africa. <i>Microbiology Resource Announcements</i> , 2018 , 7,	1.3	2
23	Genomic Analysis of Antibiotic-Resistant Isolates From Clinical Sources in the Kwazulu-Natal Province, South Africa. <i>Frontiers in Microbiology</i> , 2021 , 12, 656306	5-7	2
22	Whole-Genome Shotgun Sequence of Drug-Resistant Staphylococcus aureus Strain SA9, Isolated from a Slaughterhouse Chicken Carcass in South Africa. <i>Microbiology Resource Announcements</i> , 2019 , 8,	1.3	1
21	Comparative Pathogenomics of from Pigs in South Africa: Dominance of the Novel ST657 Clone. <i>Microorganisms</i> , 2020 , 8,	4-9	1
20	Food animals as reservoirs and potential sources of multidrug-resistant diarrheagenic E. coli pathotypes: Focus on intensive pig farming in South Africa.. <i>Onderstepoort Journal of Veterinary Research</i> , 2022 , 89, e1-e13	1.9	1
19	Genomic analysis of antibiotic-resistant Enterococcus spp. reveals novel enterococci strains and the spread of plasmid-borne Tet(M), Tet(L) and Erm(B) genes from chicken litter to agricultural soil in South Africa. <i>Journal of Environmental Management</i> , 2022 , 302, 114101	7-9	1

18	TACN (1, 4, 7-Triazacyclononane) restores the activity of β -lactam antibiotics against Metallo- β -lactamase producing Enterobacteriaceae: The exploration of potential Metallo- β -lactamase inhibitors		1
17	The molecular effect of 1,4,7-triazacyclononane on oxidative stress parameters in human hepatocellular carcinoma (HepG2) cells. <i>Journal of Biochemical and Molecular Toxicology</i> , 2020 , 34, e226074	3.74	1
16	Molecular mechanisms underlying the renoprotective effects of 1,4,7-triazacyclononane: a β -lactamase inhibitor. <i>Cytotechnology</i> , 2020 , 72, 785-796	2.2	1
15	Not All Street Food Is Bad: Low Prevalence of Antibiotic-Resistant in Ready-to-Eat (RTE) Meats in Ghana Is Associated with Good Vendors' Knowledge of Meat Safety. <i>Foods</i> , 2021 , 10,	4.9	1
14	Genomic Investigation of Carbapenem-Resistant Colonization in an Intensive Care Unit in South Africa. <i>Genes</i> , 2021 , 12,	4.2	1
13	Molecular Surveillance and Dissemination of on Frequently Encountered Surfaces in South African Public Hospitals. <i>Microbial Drug Resistance</i> , 2021 ,	2.9	1
12	Genomic Analysis of spp. Isolated From a Wastewater Treatment Plant and Its Associated Waters in Umgungundlovu District, South Africa. <i>Frontiers in Microbiology</i> , 2021 , 12, 648454	5.7	1
11	Analysis of Wastewater Reveals the Spread of Diverse Extended-Spectrum β -lactamase-Producing Strains in uMgungundlovu District, South Africa. <i>Antibiotics</i> , 2021 , 10,	4.9	1
10	Di-2-picolyamine triggers caspase-independent apoptosis by inducing oxidative stress in human liver hepatocellular carcinoma cells. <i>Biotechnology and Applied Biochemistry</i> , 2021 , 68, 257-266	2.8	1
9	Molecular Epidemiology of in Poultry in South Africa Using the Farm-to-Fork Approach.. <i>International Journal of Microbiology</i> , 2022 , 2022, 5121273	3.6	0
8	Exploring the inhibitory mechanism of resorcinylic isoxazole amine NVP-AUY922 towards the discovery of potential heat shock protein 90 (Hsp90) inhibitors. <i>Scientific African</i> , 2022 , 15, e01107	1.7	0
7	Genotypic and Phenotypic Characterizations of Methicillin-Resistant (MRSA) on Frequently Touched Sites from Public Hospitals in South Africa. <i>International Journal of Microbiology</i> , 2021 , 2021, 6011045	3.6	0
6	First genome sequence of <i>Aeromonas hydrophilia</i> novel sequence type 658 strain isolated from livestock in South Africa. <i>Journal of Global Antimicrobial Resistance</i> , 2021 , 24, 175-177	3.4	0
5	Understanding the Binding Mechanism of Antagonist (AZD3293) Against BACE-1: Molecular Insights into Alzheimer's Drug Discovery. <i>Letters in Drug Design and Discovery</i> , 2020 , 17, 850-857	0.8	
4	Genomic analysis of antibiotic-resistant <i>Enterobacter</i> spp. from wastewater sources in South Africa: The first report of the mobilisable colistin resistance mcr-10 gene in Africa. <i>Ecological Genetics and Genomics</i> , 2021 , 21, 100104	1.4	
3	Tet(M) Mediates Tetracycline Resistance in Methicillin-Resistant <i>Staphylococcus aureus</i> (MRSA) Clinical Isolates from the Private Hospital Sector in KwaZulu-Natal (KZN), South Africa. <i>Journal of Pure and Applied Microbiology</i> , 2019 , 13, 51-59	0.9	
2	Susceptibility of Anopheles Mosquito to Agricultural Insecticides in the Adansi North District, Ghana. <i>Journal of Pure and Applied Microbiology</i> , 2019 , 13, 677-688	0.9	
1	Apoptosis-inducing effects of <i>Terminalia phanerophlebia</i> leaf extracts on human renal cells. <i>South African Journal of Botany</i> , 2021 , 139, 273-280	2.9	

