Isaac Dennis Amoah

List of Publications by Citations

32 papers	449 citations	11 h-index	21 g-index
34 ext. papers	690 ext. citations	4.8 avg, IF	4.49 L-index

#	Paper	IF	Citations
32	Microplastics in the environment: Interactions with microbes and chemical contaminants. *Science of the Total Environment*, **2020**, 743, 140518	10.2	117
31	Coronaviruses in wastewater processes: Source, fate and potential risks. *Environment International*, **2020**, 143, 105962	12.9	61
30	Detection and quantification of soil-transmitted helminths in environmental samples: A review of current state-of-the-art and future perspectives. *Acta Tropica*, **2017**, 169, 187-201	3.2	54
29	Epidemiological Evidence and Health Risks Associated With Agricultural Reuse of Partially Treated and Untreated Wastewater: A Review. *Frontiers in Public Health*, **2018**, 6, 337	6	43
28	Contribution of Wastewater Irrigation to Soil Transmitted Helminths Infection among Vegetable Farmers in Kumasi, Ghana. *PLoS Neglected Tropical Diseases*, **2016**, 10, e0005161	4.8	24
27	Soil-transmitted helminth infections associated with wastewater and sludge reuse: a review of current evidence. *Tropical Medicine and International Health*, **2018**, 23, 692-703	2.3	21
26	Exploring the potential reservoirs of non specific TEM beta lactamase (bla(TEM)) gene in the Indo-Gangetic region: A risk assessment approach to predict health hazards. *Journal of Hazardous Materials*, **2016**, 314, 121-128	12.8	19
25	Concentration of soil-transmitted helminth eggs in sludge from South Africa and Senegal: A probabilistic estimation of infection risks associated with agricultural application. *Journal of Environmental Management*, **2018**, 206, 1020-1027	7.9	17
24	Removal of helminth eggs by centralized and decentralized wastewater treatment plants in South Africa and Lesotho: health implications for direct and indirect exposure to the effluents. *Environmental Science and Pollution Research*, **2018**, 25, 12883-12895	5.1	16
23	Modeling the die-off of E. coli and Ascaris in wastewater-irrigated vegetables: implications for microbial health risk reduction associated with irrigation cessation. *Water Science and Technology*, **2013**, 68, 1013-21	2.2	13
22	Monitoring changes in COVID-19 infection using wastewater-based epidemiology: A South African perspective. *Science of the Total Environment*, **2021**, 786, 147273	10.2	12
21	Impact of sludge bulking on receiving environment using quantitative microbial risk assessment (QMRA)-based management for full-scale wastewater treatment plants. *Journal of Environmental Management*, **2020**, 267, 110660	7.9	7
20	RT-LAMP: A Cheaper, Simpler and Faster Alternative for the Detection of SARS-CoV-2 in Wastewater. *Food and Environmental Virology*, **2021**, 13, 447-456	4	6
19	Relationships between shared sanitation facilities and diarrhoeal and soil-transmitted helminth infections: an analytical review. *Journal of Water Sanitation and Hygiene for Development*, **2019**, 9, 198-209	1.5	5
18	Effect of reagents used during detection and quantification of Ascaris suum in environmental samples on egg viability. *Water Science and Technology*, **2017**, 76, 2389-2400	2.2	5
17	Detection of SARS-CoV-2 RNA on contact surfaces within shared sanitation facilities. *International Journal of Hygiene and Environmental Health*, **2021**, 236, 113807	6.9	5
16	Effect of selected wastewater characteristics on estimation of SARS-CoV-2 viral load in wastewater. *Environmental Research*, **2022**, 203, 111877	7.9	5

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15	Comparative assessment of DNA extraction procedures for spp. eggs. *Journal of Helminthology*, **2019**, 94, e78	1.6	4
14	Identification, antibiotic resistance, and virulence profiling of Aeromonas and Pseudomonas species from wastewater and surface water. *Environmental Monitoring and Assessment*, **2021**, 193, 294	3.1	3
13	A probabilistic assessment of the contribution of wastewater-irrigated lettuce to Escherichia coli O157:H7 infection risk and disease burden in Kumasi, Ghana. *Journal of Water and Health*, **2015**, 13, 217-29	2.2	2
12	Molecular surveillance of tuberculosis-causing mycobacteria in wastewater.. *Heliyon*, **2022**, 8, e08910	3.6	2
11	Detection of SARS-CoV-2 on contact surfaces within shared sanitation facilities and assessment of the potential risks for COVID-19 infections		2
10	A review on application of next-generation sequencing methods for profiling of protozoan parasites in water: Current methodologies, challenges, and perspectives. *Journal of Microbiological Methods*, **2021**, 187, 106269	2.8	2
9	Wastewater-Based Surveillance of Antibiotic Resistance Genes Associated with Tuberculosis Treatment Regimen in KwaZulu Natal, South Africa. *Antibiotics*, **2021**, 10,	4.9	1
8	Detection of multidrug resistant environmental isolates of and : a possible threat for community acquired infections?. *Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering*, **2021**, 56, 213-225	2.3	1
7	Impact of informal settlements and wastewater treatment plants on helminth egg contamination of urban rivers and risks associated with exposure. *Environmental Monitoring and Assessment*, **2020**, 192, 713	3.1	1
6	Development of a semi-quantitative approach for the assessment of microbial health risk associated with wastewater reuse: A case study at the household level. *Environmental Challenges*, **2021**, 4, 100182	2.6	1
5	Development and evaluation of a molecular based protocol for detection and quantification of Cryptosporidium spp. in wastewater.. *Experimental Parasitology*, **2022**, 234, 108216	2.1	0
4	Evaluation of the efficiency of some disinfectants on the viability of Hymenolepis nana eggs isolated from wastewater and faecal sludge in Yaounde (Cameroon): importance of some abiotic variables. *Water Science and Technology*, **2021**, 84, 2499-2518	2.2	0
3	16S rRNA-based metagenomic profiling of microbes on contact surfaces within shared sanitation facilities. *Ecological Genetics and Genomics*, **2021**, 21, 100095	1.4	0
2	Transfer of coliform bacteria to duckweed harvested from anaerobic baffled reactor effluent. *Bioresource Technology Reports*, **2019**, 8, 100314	4.1	
1	An assessment of the health risks associated with shared sanitation: a case study of the community ablution blocks in Durban, South Africa.. *Environmental Monitoring and Assessment*, **2022**, 194, 166	3.1	