Abasiofiok Ibekwe

List of Publications by Year in Descending Order

71 papers	2,730 citations	30 h-index	51 g-index
73 ext. papers	3,076 ext. citations	5.1 avg, IF	5.18 L-index

#	Paper	IF	Citations
71	Persistence of Salmonella Typhimurium in apple-pear (Pyrus bretschneideri Rehd.) orchard soils influenced by bacterial communities and soil properties. *Science of the Total Environment*, **2021**, 768, 144458	10.2	0
70	Diversity of Plasmids and Genes Encoding Resistance to Extended-Spectrum β-Lactamase in from Different Animal Sources. *Microorganisms*, **2021**, 9,	4.9	3
69	Prevalence of Antibiotic Resistance Genes in Pharmaceutical Wastewaters. *Water (Switzerland)*, **2021**, 13, 1731	3	0
68	Influence of seasonal changes and salinity on spinach phyllosphere bacterial functional assemblage. *PLoS ONE*, **2021**, 16, e0252242	3.7	0
67	Soil salinity, pH, and indigenous bacterial community interactively influence the survival of E. coli O157:H7 revealed by multivariate statistics. *Environmental Science and Pollution Research*, **2021**, 28, 5575-5586	5.1	2
66	System of multi-layered environmental media for the removal of antibiotics from wastewater. *Journal of Environmental Chemical Engineering*, **2020**, 8, 104206	6.8	3
65	Functional relationships between aboveground and belowground spinach (Spinacia oleracea L., cv. Racoon) microbiomes impacted by salinity and drought. *Science of the Total Environment*, **2020**, 717, 137207	10.2	12
64	Tricarboxylic Acid (TCA) Cycle Enzymes and Intermediates Modulate Intracellular Cyclic di-GMP Levels and the Production of Plant Cell Wall-Degrading Enzymes in Soft Rot Pathogen. *Molecular Plant-Microbe Interactions*, **2020**, 33, 296-307	3.6	5
63	Antibiotic Resistance Genes Occurrence in Wastewaters from Selected Pharmaceutical Facilities in Nigeria. *Water (Switzerland)*, **2020**, 12, 1897	3	9
62	A newly developed Escherichia coli isolate panel from a cross section of U.S. animal production systems reveals geographic and commodity-based differences in antibiotic resistance gene carriage. *Journal of Hazardous Materials*, **2020**, 382, 120991	12.8	4
61	A feed-forward signalling circuit controls bacterial virulence through linking cyclic di-GMP and two mechanistically distinct sRNAs, ArcZ and RsmB. *Environmental Microbiology*, **2019**, 21, 2755-2771	5.2	15
60	Shiga Toxin-Producing Escherichia coli in Mastitis: An International Perspective. *Foodborne Pathogens and Disease*, **2019**, 16, 229-243	3.8	7
59	Impact of treated wastewater for irrigation on soil microbial communities. *Science of the Total Environment*, **2018**, 622-623, 1603-1610	10.2	77
58	Influence of Bacillus subtilis B068150 on cucumber rhizosphere microbial composition as a plant protective agent. *Plant and Soil*, **2018**, 429, 519-531	4.2	10
57	Continuous Flow-Constructed Wetlands for the Treatment of Swine Waste Water. *International Journal of Environmental Research and Public Health*, **2018**, 15,	4.6	5
56	Microbial community structures in high rate algae ponds for bioconversion of agricultural wastes from livestock industry for feed production. *Science of the Total Environment*, **2017**, 580, 1185-1196	10.2	42
55	Seasonal induced changes in spinach rhizosphere microbial community structure with varying salinity and drought. *Science of the Total Environment*, **2017**, 579, 1485-1495	10.2	26

54	Bacterial community composition and structure in an Urban River impacted by different pollutant sources. *Science of the Total Environment*, **2016**, 566-567, 1176-1185	10.2	108
53	Potential pathogens, antimicrobial patterns and genotypic diversity of Escherichia coli isolates in constructed wetlands treating swine wastewater. *FEMS Microbiology Ecology*, **2016**, 92,	4.3	16
52	Bacterial community dynamics in surface flow constructed wetlands for the treatment of swine waste. *Science of the Total Environment*, **2016**, 544, 68-76	10.2	33
51	Cucumber Rhizosphere Microbial Community Response to Biocontrol Agent Bacillus subtilis B068150. *Agriculture (Switzerland)*, **2016**, 6, 2	3	9
50	Molecular Methods for Assessment of Antibiotic Resistance in Agricultural Ecosystems: Prospects and Challenges. *Journal of Environmental Quality*, **2016**, 45, 441-53	3.4	75
49	Bacterial diversity and composition in major fresh produce growing soils affected by physiochemical properties and geographic locations. *Science of the Total Environment*, **2016**, 563-564, 199-209	10.2	36
48	Real-time isothermal detection of Shiga toxin-producing Escherichia coli using recombinase polymerase amplification. *Foodborne Pathogens and Disease*, **2014**, 11, 529-36	3.8	24
47	A glimpse of Escherichia coli O157:H7 survival in soils from eastern China. *Science of the Total Environment*, **2014**, 476-477, 49-56	10.2	21
46	Persistence of Escherichia coli O157 and non-O157 strains in agricultural soils. *Science of the Total Environment*, **2014**, 490, 822-9	10.2	34
45	Topological data analysis of Escherichia coli O157:H7 and non-O157 survival in soils. *Frontiers in Cellular and Infection Microbiology*, **2014**, 4, 122	5.9	14
44	Assessing the Diversity and Composition of Bacterial Communities across a Wetland, Transition, Upland Gradient in Macon County Alabama. *Diversity*, **2013**, 5, 461-478	2.5	10
43	Influence of bacterial communities based on 454-pyrosequencing on the survival of Escherichia coli O157:H7 in soils. *FEMS Microbiology Ecology*, **2013**, 84, 542-54	4.3	31
42	Potential human pathogenic bacteria in a mixed urban watershed as revealed by pyrosequencing. *PLoS ONE*, **2013**, 8, e79490	3.7	49
41	Persistence of Escherichia coli O157:H7 in major leafy green producing soils. *Environmental Science & Technology*, **2012**, 46, 12154-61	10.3	44
40	Assimilable organic carbon (AOC) in soil water extracts using Vibrio harveyi BB721 and its implication for microbial biomass. *PLoS ONE*, **2012**, 7, e28519	3.7	13
39	Bacterial community composition in low-flowing river water with different sources of pollutants. *FEMS Microbiology Ecology*, **2012**, 79, 155-66	4.3	29
38	A framework for developing research protocols for evaluation of microbial hazards and controls during production that pertain to the quality of agricultural water contacting fresh produce that may be consumed raw. *Journal of Food Protection*, **2012**, 75, 2251-73	2.5	27
37	Distinct soil bacterial communities revealed under a diversely managed agroecosystem. *PLoS ONE*, **2012**, 7, e40338	3.7	91

36	Genetic diversity and antimicrobial resistance of Escherichia coli from human and animal sources uncovers multiple resistances from human sources. *PLoS ONE*, **2011**, 6, e20819	3.7	66
35	Persistence of Escherichia coli O157:H7 and its mutants in soils. *PLoS ONE*, **2011**, 6, e23191	3.7	47
34	Microbiological evaluation of water quality from urban watersheds for domestic water supply improvement. *International Journal of Environmental Research and Public Health*, **2011**, 8, 4460-76	4.6	9
33	Effects of fumigants on microbial diversity and persistence of E. coli O15:H7 in contrasting soil microcosms. *Science of the Total Environment*, **2011**, 409, 3740-8	10.2	17
32	Quantification of Persistence of Escherichia coli O157:H7 in Contrasting Soils. *International Journal of Microbiology*, **2011**, 2011,	3.6	10
31	Commensal effect of pectate lyases secreted from Dickeya dadantii on proliferation of Escherichia coli O157:H7 EDL933 on lettuce leaves. *Applied and Environmental Microbiology*, **2011**, 77, 156-62	4.8	21
30	Influence of fumigants on soil microbial diversity and survival of E. coli O157:H7. *Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes*, **2010**, 45, 416-26	2.2	11
29	Influence of soil fumigation by methyl bromide and methyl iodide on rhizosphere and phyllosphere microbial community structure. *Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes*, **2010**, 45, 427-36	2.2	8
28	An assessment of environmental conditions for control of downy brome by Pseudomonas fluorescens D7. *International Journal of Environmental Technology and Management*, **2010**, 12, 27	0.6	6
27	Regulatory mechanisms of exoribonuclease PNPase and regulatory small RNA on T3SS of Dickeya dadantii. *Molecular Plant-Microbe Interactions*, **2010**, 23, 1345-55	3.6	18
26	Bacterial diversity in cucumber (Cucumis sativus) rhizosphere in response to salinity, soil pH, and boron. *Soil Biology and Biochemistry*, **2010**, 42, 567-575	7.5	91
25	Persistence of Escherichia coli O157:H7 on the rhizosphere and phyllosphere of lettuce. *Letters in Applied Microbiology*, **2009**, 49, 784-90	2.9	17
24	Microbiological evaluation of fecal bacterial composition from surface water through aquifer sand material. *Journal of Water and Health*, **2008**, 6, 411-21	2.2	5
23	Survival of Escherichia coli O157:H7 in soil and on lettuce after soil fumigation. *Canadian Journal of Microbiology*, **2007**, 53, 623-35	3.2	25
22	Characterization of developing microbial communities in Mount St. Helens pyroclastic substrate. *Soil Biology and Biochemistry*, **2007**, 39, 2496-2507	7.5	37
21	Microbial Characteristics through Drinking Water Aquifer Sand Material. *Engineering in Life Sciences*, **2007**, 7, 81-89	3.4	1
20	Global effect of indole-3-acetic acid biosynthesis on multiple virulence factors of Erwinia chrysanthemi 3937. *Applied and Environmental Microbiology*, **2007**, 73, 1079-88	4.8	93
19	Impact of plant density and microbial composition on water quality from a free water surface constructed wetland. *Journal of Applied Microbiology*, **2007**, 102, 921-36	4.7	58

18	Quantification of Survival of Escherichia coli O157:H7 on Plants Affected by Contaminated Irrigation Water. *Engineering in Life Sciences*, **2006**, 6, 566-572	3.4	10
17	Changes in developing plant microbial community structure as affected by contaminated water. *FEMS Microbiology Ecology*, **2004**, 48, 239-48	4.3	50
16	Enrichment and molecular characterization of chloropicrin- and metam-sodium-degrading microbial communities. *Applied Microbiology and Biotechnology*, **2004**, 66, 325-32	5.7	14
15	Fate of Escherichia coli O157:H7 in irrigation water on soils and plants as validated by culture method and real-time PCR. *Canadian Journal of Microbiology*, **2004**, 50, 1007-14	3.2	63
14	Genome-wide identification of plant-upregulated genes of Erwinia chrysanthemi 3937 using a GFP-based IVET leaf array. *Molecular Plant-Microbe Interactions*, **2004**, 17, 999-1008	3.6	77
13	Effect of organic mulches on soil bacterial communities one year after application. *Biology and Fertility of Soils*, **2003**, 38, 273-281	6.1	50
12	Detection and quantification of Escherichia coli O157:H7 in environmental samples by real-time PCR. *Journal of Applied Microbiology*, **2003**, 94, 421-31	4.7	128
11	Effect of propargyl bromide and 1,3-dichloropropene on microbial communities in an organically amended soil. *FEMS Microbiology Ecology*, **2003**, 43, 75-87	4.3	68
10	Characterization of microbial communities and composition in constructed dairy wetland wastewater effluent. *Applied and Environmental Microbiology*, **2003**, 69, 5060-9	4.8	159
9	Multiplex fluorogenic real-time PCR for detection and quantification of Escherichia coli O157:H7 in dairy wastewater wetlands. *Applied and Environmental Microbiology*, **2002**, 68, 4853-62	4.8	210
8	Microcosm enrichment of 1,3-dichloropropene-degrading soil microbial communities in a compost-amended soil. *Journal of Applied Microbiology*, **2001**, 91, 668-76	4.7	22
7	Impact of fumigants on soil microbial communities. *Applied and Environmental Microbiology*, **2001**, 67, 3245-57	4.8	200
6	Phospholipid fatty acid profiles and carbon utilization patterns for analysis of microbial community structure under field and greenhouse conditions. *FEMS Microbiology Ecology*, **1998**, 26, 151-163	4.3	108
5	Zinc and Cadmium Effects on Rhizobia and White Clover using Chelator-Buffered Nutrient Solution. *Soil Science Society of America Journal*, **1998**, 62, 204-211	2.5	10
4	Differentiation of Clover Rhizobium Isolated from Biosolids-Amended Soils with Varying pH. *Soil Science Society of America Journal*, **1997**, 61, 1679-1685	2.5	13
3	Enumeration and N2 fixation potential of Rhizobium leguminosarum biovar trifolii grown in soil with varying pH values and heavy metal concentrations. *Agriculture, Ecosystems and Environment*, **1997**, 61, 103-111	5.7	31
2	Zinc and Cadmium Toxicity to Alfalfa and Its Microsymbiont. *Journal of Environmental Quality*, **1996**, 25, 1032-1040	3.4	36
1	Sewage Sludge and Heavy Metal Effects on Nodulation and Nitrogen Fixation of Legumes. *Journal of Environmental Quality*, **1995**, 24, 1199-1204	3.4	57