

# Abasiofiok Ibekwe

## List of Publications by Citations

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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	Multiplex fluorogenic real-time PCR for detection and quantification of Escherichia coli O157:H7 in dairy wastewater wetlands. <i>Applied and Environmental Microbiology</i> , <b>2002</b> , 68, 4853-62	4.8	210
70	Impact of fumigants on soil microbial communities. <i>Applied and Environmental Microbiology</i> , <b>2001</b> , 67, 3245-57	4.8	200
69	Characterization of microbial communities and composition in constructed dairy wetland wastewater effluent. <i>Applied and Environmental Microbiology</i> , <b>2003</b> , 69, 5060-9	4.8	159
68	Detection and quantification of Escherichia coli O157:H7 in environmental samples by real-time PCR. <i>Journal of Applied Microbiology</i> , <b>2003</b> , 94, 421-31	4.7	128
67	Bacterial community composition and structure in an Urban River impacted by different pollutant sources. <i>Science of the Total Environment</i> , <b>2016</b> , 566-567, 1176-1185	10.2	108
66	Phospholipid fatty acid profiles and carbon utilization patterns for analysis of microbial community structure under field and greenhouse conditions. <i>FEMS Microbiology Ecology</i> , <b>1998</b> , 26, 151-163	4.3	108
65	Global effect of indole-3-acetic acid biosynthesis on multiple virulence factors of Erwinia chrysanthemi 3937. <i>Applied and Environmental Microbiology</i> , <b>2007</b> , 73, 1079-88	4.8	93
64	Bacterial diversity in cucumber (Cucumis sativus) rhizosphere in response to salinity, soil pH, and boron. <i>Soil Biology and Biochemistry</i> , <b>2010</b> , 42, 567-575	7.5	91
63	Distinct soil bacterial communities revealed under a diversely managed agroecosystem. <i>PLoS ONE</i> , <b>2012</b> , 7, e40338	3.7	91
62	Impact of treated wastewater for irrigation on soil microbial communities. <i>Science of the Total Environment</i> , <b>2018</b> , 622-623, 1603-1610	10.2	77
61	Genome-wide identification of plant-upregulated genes of Erwinia chrysanthemi 3937 using a GFP-based IVET leaf array. <i>Molecular Plant-Microbe Interactions</i> , <b>2004</b> , 17, 999-1008	3.6	77
60	Molecular Methods for Assessment of Antibiotic Resistance in Agricultural Ecosystems: Prospects and Challenges. <i>Journal of Environmental Quality</i> , <b>2016</b> , 45, 441-53	3.4	75
59	Effect of propargyl bromide and 1,3-dichloropropene on microbial communities in an organically amended soil. <i>FEMS Microbiology Ecology</i> , <b>2003</b> , 43, 75-87	4.3	68
58	Genetic diversity and antimicrobial resistance of Escherichia coli from human and animal sources uncovers multiple resistances from human sources. <i>PLoS ONE</i> , <b>2011</b> , 6, e20819	3.7	66
57	Fate of Escherichia coli O157:H7 in irrigation water on soils and plants as validated by culture method and real-time PCR. <i>Canadian Journal of Microbiology</i> , <b>2004</b> , 50, 1007-14	3.2	63
56	Impact of plant density and microbial composition on water quality from a free water surface constructed wetland. <i>Journal of Applied Microbiology</i> , <b>2007</b> , 102, 921-36	4.7	58
55	Sewage Sludge and Heavy Metal Effects on Nodulation and Nitrogen Fixation of Legumes. <i>Journal of Environmental Quality</i> , <b>1995</b> , 24, 1199-1204	3.4	57

54	Changes in developing plant microbial community structure as affected by contaminated water. <i>FEMS Microbiology Ecology</i> , <b>2004</b> , 48, 239-48	4.3	50
53	Effect of organic mulches on soil bacterial communities one year after application. <i>Biology and Fertility of Soils</i> , <b>2003</b> , 38, 273-281	6.1	50
52	Potential human pathogenic bacteria in a mixed urban watershed as revealed by pyrosequencing. <i>PLoS ONE</i> , <b>2013</b> , 8, e79490	3.7	49
51	Persistence of Escherichia coli O157:H7 and its mutants in soils. <i>PLoS ONE</i> , <b>2011</b> , 6, e23191	3.7	47
50	Persistence of Escherichia coli O157:H7 in major leafy green producing soils. <i>Environmental Science &amp; Technology</i> , <b>2012</b> , 46, 12154-61	10.3	44
49	Microbial community structures in high rate algae ponds for bioconversion of agricultural wastes from livestock industry for feed production. <i>Science of the Total Environment</i> , <b>2017</b> , 580, 1185-1196	10.2	42
48	Characterization of developing microbial communities in Mount St. Helens pyroclastic substrate. <i>Soil Biology and Biochemistry</i> , <b>2007</b> , 39, 2496-2507	7.5	37
47	Zinc and Cadmium Toxicity to Alfalfa and Its Microsymbiont. <i>Journal of Environmental Quality</i> , <b>1996</b> , 25, 1032-1040	3.4	36
46	Bacterial diversity and composition in major fresh produce growing soils affected by physiochemical properties and geographic locations. <i>Science of the Total Environment</i> , <b>2016</b> , 563-564, 199-209	10.2	36
45	Persistence of Escherichia coli O157 and non-O157 strains in agricultural soils. <i>Science of the Total Environment</i> , <b>2014</b> , 490, 822-9	10.2	34
44	Bacterial community dynamics in surface flow constructed wetlands for the treatment of swine waste. <i>Science of the Total Environment</i> , <b>2016</b> , 544, 68-76	10.2	33
43	Influence of bacterial communities based on 454-pyrosequencing on the survival of Escherichia coli O157:H7 in soils. <i>FEMS Microbiology Ecology</i> , <b>2013</b> , 84, 542-54	4.3	31
42	Enumeration and N <sub>2</sub> fixation potential of Rhizobium leguminosarum biovar trifolii grown in soil with varying pH values and heavy metal concentrations. <i>Agriculture, Ecosystems and Environment</i> , <b>1997</b> , 61, 103-111	5.7	31
41	Bacterial community composition in low-flowing river water with different sources of pollutants. <i>FEMS Microbiology Ecology</i> , <b>2012</b> , 79, 155-66	4.3	29
40	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. <i>Journal of Food Protection</i> , <b>2012</b> , 75, 2251-73	2.5	27
39	Seasonal induced changes in spinach rhizosphere microbial community structure with varying salinity and drought. <i>Science of the Total Environment</i> , <b>2017</b> , 579, 1485-1495	10.2	26
38	Survival of Escherichia coli O157:H7 in soil and on lettuce after soil fumigation. <i>Canadian Journal of Microbiology</i> , <b>2007</b> , 53, 623-35	3.2	25
37	Real-time isothermal detection of Shiga toxin-producing Escherichia coli using recombinase polymerase amplification. <i>Foodborne Pathogens and Disease</i> , <b>2014</b> , 11, 529-36	3.8	24

36	Microcosm enrichment of 1,3-dichloropropene-degrading soil microbial communities in a compost-amended soil. <i>Journal of Applied Microbiology</i> , <b>2001</b> , 91, 668-76	4.7	22
35	A glimpse of <i>Escherichia coli</i> O157:H7 survival in soils from eastern China. <i>Science of the Total Environment</i> , <b>2014</b> , 476-477, 49-56	10.2	21
34	Commensal effect of pectate lyases secreted from <i>Dickeya dadantii</i> on proliferation of <i>Escherichia coli</i> O157:H7 EDL933 on lettuce leaves. <i>Applied and Environmental Microbiology</i> , <b>2011</b> , 77, 156-62	4.8	21
33	Regulatory mechanisms of exoribonuclease PNPase and regulatory small RNA on T3SS of <i>Dickeya dadantii</i> . <i>Molecular Plant-Microbe Interactions</i> , <b>2010</b> , 23, 1345-55	3.6	18
32	Effects of fumigants on microbial diversity and persistence of <i>E. coli</i> O15:H7 in contrasting soil microcosms. <i>Science of the Total Environment</i> , <b>2011</b> , 409, 3740-8	10.2	17
31	Persistence of <i>Escherichia coli</i> O157:H7 on the rhizosphere and phyllosphere of lettuce. <i>Letters in Applied Microbiology</i> , <b>2009</b> , 49, 784-90	2.9	17
30	Potential pathogens, antimicrobial patterns and genotypic diversity of <i>Escherichia coli</i> isolates in constructed wetlands treating swine wastewater. <i>FEMS Microbiology Ecology</i> , <b>2016</b> , 92,	4.3	16
29	A feed-forward signalling circuit controls bacterial virulence through linking cyclic di-GMP and two mechanistically distinct sRNAs, ArcZ and RsmB. <i>Environmental Microbiology</i> , <b>2019</b> , 21, 2755-2771	5.2	15
28	Topological data analysis of <i>Escherichia coli</i> O157:H7 and non-O157 survival in soils. <i>Frontiers in Cellular and Infection Microbiology</i> , <b>2014</b> , 4, 122	5.9	14
27	Enrichment and molecular characterization of chloropicrin- and metam-sodium-degrading microbial communities. <i>Applied Microbiology and Biotechnology</i> , <b>2004</b> , 66, 325-32	5.7	14
26	Assimilable organic carbon (AOC) in soil water extracts using <i>Vibrio harveyi</i> BB721 and its implication for microbial biomass. <i>PLoS ONE</i> , <b>2012</b> , 7, e28519	3.7	13
25	Differentiation of Clover Rhizobium Isolated from Biosolids-Amended Soils with Varying pH. <i>Soil Science Society of America Journal</i> , <b>1997</b> , 61, 1679-1685	2.5	13
24	Functional relationships between aboveground and belowground spinach ( <i>Spinacia oleracea</i> L., cv. Ragoon) microbiomes impacted by salinity and drought. <i>Science of the Total Environment</i> , <b>2020</b> , 717, 137207	10.2	12
23	Influence of fumigants on soil microbial diversity and survival of <i>E. coli</i> O157:H7. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , <b>2010</b> , 45, 416-26	2.2	11
22	Influence of <i>Bacillus subtilis</i> B068150 on cucumber rhizosphere microbial composition as a plant protective agent. <i>Plant and Soil</i> , <b>2018</b> , 429, 519-531	4.2	10
21	Assessing the Diversity and Composition of Bacterial Communities across a Wetland, Transition, Upland Gradient in Macon County Alabama. <i>Diversity</i> , <b>2013</b> , 5, 461-478	2.5	10
20	Quantification of Persistence of <i>Escherichia coli</i> O157:H7 in Contrasting Soils. <i>International Journal of Microbiology</i> , <b>2011</b> , 2011,	3.6	10
19	Quantification of Survival of <i>Escherichia coli</i> O157:H7 on Plants Affected by Contaminated Irrigation Water. <i>Engineering in Life Sciences</i> , <b>2006</b> , 6, 566-572	3.4	10

18	Zinc and Cadmium Effects on Rhizobia and White Clover using Chelator-Buffered Nutrient Solution. <i>Soil Science Society of America Journal</i> , <b>1998</b> , 62, 204-211	2.5	10
17	Microbiological evaluation of water quality from urban watersheds for domestic water supply improvement. <i>International Journal of Environmental Research and Public Health</i> , <b>2011</b> , 8, 4460-76	4.6	9
16	Antibiotic Resistance Genes Occurrence in Wastewaters from Selected Pharmaceutical Facilities in Nigeria. <i>Water (Switzerland)</i> , <b>2020</b> , 12, 1897	3	9
15	Cucumber Rhizosphere Microbial Community Response to Biocontrol Agent <i>Bacillus subtilis</i> B068150. <i>Agriculture (Switzerland)</i> , <b>2016</b> , 6, 2	3	9
14	Influence of soil fumigation by methyl bromide and methyl iodide on rhizosphere and phyllosphere microbial community structure. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , <b>2010</b> , 45, 427-36	2.2	8
13	Shiga Toxin-Producing <i>Escherichia coli</i> in Mastitis: An International Perspective. <i>Foodborne Pathogens and Disease</i> , <b>2019</b> , 16, 229-243	3.8	7
12	An assessment of environmental conditions for control of downy brome by <i>Pseudomonas fluorescens</i> D7. <i>International Journal of Environmental Technology and Management</i> , <b>2010</b> , 12, 27	0.6	6
11	Continuous Flow-Constructed Wetlands for the Treatment of Swine Waste Water. <i>International Journal of Environmental Research and Public Health</i> , <b>2018</b> , 15,	4.6	5
10	Microbiological evaluation of fecal bacterial composition from surface water through aquifer sand material. <i>Journal of Water and Health</i> , <b>2008</b> , 6, 411-21	2.2	5
9	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. <i>Molecular Plant-Microbe Interactions</i> , <b>2020</b> , 33, 296-307	3.6	5
8	A newly developed <i>Escherichia coli</i> isolate panel from a cross section of U.S. animal production systems reveals geographic and commodity-based differences in antibiotic resistance gene carriage. <i>Journal of Hazardous Materials</i> , <b>2020</b> , 382, 120991	12.8	4
7	System of multi-layered environmental media for the removal of antibiotics from wastewater. <i>Journal of Environmental Chemical Engineering</i> , <b>2020</b> , 8, 104206	6.8	3
6	Diversity of Plasmids and Genes Encoding Resistance to Extended-Spectrum $\beta$ -Lactamase in from Different Animal Sources. <i>Microorganisms</i> , <b>2021</b> , 9,	4.9	3
5	Soil salinity, pH, and indigenous bacterial community interactively influence the survival of <i>E. coli</i> O157:H7 revealed by multivariate statistics. <i>Environmental Science and Pollution Research</i> , <b>2021</b> , 28, 5575-5586 <sup>2</sup>	5.1	2
4	Microbial Characteristics through Drinking Water Aquifer Sand Material. <i>Engineering in Life Sciences</i> , <b>2007</b> , 7, 81-89	3.4	1
3	Persistence of <i>Salmonella</i> Typhimurium in apple-pear ( <i>Pyrus bretschneideri</i> Rehd.) orchard soils influenced by bacterial communities and soil properties. <i>Science of the Total Environment</i> , <b>2021</b> , 768, 144458	10.2	0
2	Prevalence of Antibiotic Resistance Genes in Pharmaceutical Wastewaters. <i>Water (Switzerland)</i> , <b>2021</b> , 13, 1731	3	0
1	Influence of seasonal changes and salinity on spinach phyllosphere bacterial functional assemblage. <i>PLoS ONE</i> , <b>2021</b> , 16, e0252242	3.7	0

