

# Osei Yaw Akoto

## List of Publications by Year in descending order

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Version: 2024-02-01

59  
papers

1,901  
citations

331670

21  
h-index

265206

42  
g-index

59  
all docs

59  
docs citations

59  
times ranked

2380  
citing authors

#	ARTICLE	IF	CITATIONS
1	Dietary intake of organophosphorus pesticide residues through vegetables from Kumasi, Ghana. <i>Food and Chemical Toxicology</i> , 2008, 46, 3703-3706.	3.6	166
2	Human health risks from metals and metalloid via consumption of food animals near gold mines in Tarkwa, Ghana: Estimation of the daily intakes and target hazard quotients (THQs). <i>Ecotoxicology and Environmental Safety</i> , 2015, 111, 160-167.	6.0	160
3	Persistent organochlorine pesticide residues in fish, sediments and water from Lake Bosomtwi, Ghana. <i>Chemosphere</i> , 2008, 72, 21-24.	8.2	139
4	Groundwater quality assessment using statistical approach and water quality index in Ejisu-Juaben Municipality, Ghana. <i>Environmental Earth Sciences</i> , 2016, 75, 1.	2.7	137
5	Health risk assessment of heavy metals and metalloid in drinking water from communities near gold mines in Tarkwa, Ghana. <i>Environmental Monitoring and Assessment</i> , 2015, 187, 397.	2.7	117
6	Heavy metal contamination assessment of groundwater quality: a case study of Oti landfill site, Kumasi. <i>Applied Water Science</i> , 2019, 9, 1.	5.6	116
7	Occurrence, distribution, sources and toxic potential of polycyclic aromatic hydrocarbons (PAHs) in surface soils from the Kumasi Metropolis, Ghana. <i>Science of the Total Environment</i> , 2014, 496, 471-478.	8.0	100
8	Oxidative stress and respiratory symptoms due to human exposure to polycyclic aromatic hydrocarbons (PAHs) in Kumasi, Ghana. <i>Environmental Pollution</i> , 2017, 228, 311-320.	7.5	64
9	Pesticide residues in water, sediment and fish from Tono Reservoir and their health risk implications. SpringerPlus, 2016, 5, 1849.	1.2	58
10	Levels, potential sources and human health risk of polycyclic aromatic hydrocarbons (PAHs) in particulate matter (PM10) in Kumasi, Ghana. <i>Environmental Science and Pollution Research</i> , 2015, 22, 9658-9667.	5.3	54
11	Estimation of human health risk associated with the consumption of pesticide-contaminated vegetables from Kumasi, Ghana. <i>Environmental Monitoring and Assessment</i> , 2015, 187, 244.	2.7	50
12	Ecological Risk of Heavy Metals and a Metalloid in Agricultural Soils in Tarkwa, Ghana. <i>International Journal of Environmental Research and Public Health</i> , 2015, 12, 11448-11465.	2.6	49
13	Carcinogenic and non-carcinogenic risk of organochlorine pesticide residues in processed cereal-based complementary foods for infants and young children in Ghana. <i>Chemosphere</i> , 2015, 132, 193-199.	8.2	49
14	Accumulation of Heavy Metals and Metalloid in Foodstuffs from Agricultural Soils around Tarkwa Area in Ghana, and Associated Human Health Risks. <i>International Journal of Environmental Research and Public Health</i> , 2015, 12, 8811-8827.	2.6	48
15	Developmental neurotoxicity of low concentrations of bisphenol A and S exposure in zebrafish. <i>Chemosphere</i> , 2021, 262, 128045.	8.2	38
16	Association between human exposure to heavy metals/metalloid and occurrences of respiratory diseases, lipid peroxidation and DNA damage in Kumasi, Ghana. <i>Environmental Pollution</i> , 2018, 235, 163-170.	7.5	34
17	Preliminary Studies on the Use of Sawdust and Peanut Shell Powder as Adsorbents for Phosphorus Removal from Water. <i>Emerging Science Journal</i> , 2019, 3, 33.	3.7	33
18	Distribution of natural and artificial radioactivity in soils, water and tuber crops. <i>Environmental Monitoring and Assessment</i> , 2015, 187, 339.	2.7	29

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19	Levels and seasonal variations of organochlorine pesticides in urban and rural background air of southern Ghana. <i>Environmental Science and Pollution Research</i> , 2012, 19, 1963-1970.	5.3	28
20	Chemical characteristics and health hazards of heavy metals in shallow groundwater: case study Anloga community, Volta Region, Ghana. <i>Applied Water Science</i> , 2019, 9, 1.	5.6	25
21	Isoflavones and coumarins from <i>Milletia thonningii</i> . <i>Phytochemistry</i> , 1999, 51, 937-941.	2.9	24
22	A comprehensive evaluation of surface water quality and potential health risk assessments of Sisa river, Kumasi. <i>Groundwater for Sustainable Development</i> , 2021, 15, 100654.	4.6	22
23	Evaluation of Owabi Reservoir (Ghana) water quality using factor analysis. <i>Lakes and Reservoirs: Research and Management</i> , 2014, 19, 174-182.	0.9	21
24	Contamination from mercury and other heavy metals in a mining district in Ghana: discerning recent trends from sediment core analysis. <i>Environmental Systems Research</i> , 2016, 5, .	3.7	20
25	Heavy Metals Enrichment in Surface Soil from Abandoned Waste Disposal Sites in a Hot and Wet Tropical Area. <i>Environmental Processes</i> , 2016, 3, 747-761.	3.5	20
26	Contamination Levels and Sources of Heavy Metals and a Metalloid in Surface Soils in the Kumasi Metropolis, Ghana. <i>Journal of Health and Pollution</i> , 2017, 7, 28-39.	1.8	20
27	Bioaccumulation factors and multivariate analysis of heavy metals of three edible fish species from the Barekese reservoir in Kumasi, Ghana. <i>Environmental Monitoring and Assessment</i> , 2018, 190, 553.	2.7	18
28	Defect-engineered two-dimensional layered gallium sulphide molecular gas sensors with ultrahigh selectivity and sensitivity. <i>Applied Surface Science</i> , 2021, 562, 150188.	6.1	18
29	Heavy metal accumulation in untreated wastewater-irrigated soil and lettuce ( <i>Lactuca sativa</i> ). <i>Environmental Earth Sciences</i> , 2015, 74, 6193-6198.	2.7	16
30	Changes in water quality in the Owabi water treatment plant in Ghana. <i>Applied Water Science</i> , 2017, 7, 175-186.	5.6	16
31	Enhancing the photocatalytic hydrogen generation performance and strain regulation of the vertical $\text{Gel}_{2\times 2}/\text{C}_{2\times 2}\text{N}$ van der Waals heterostructure: insights from first-principles study. <i>Energy Advances</i> , 2022, 1, 146-158.	3.3	15
32	Boosting the photocatalytic $\text{H}_{2\times 2}$ evolution activity of type-II $\text{g-GaN}/\text{Sc}_{2\times 2}\text{CO}_{2\times 2}$ van der Waals heterostructure using applied biaxial strain and external electric field. <i>RSC Advances</i> , 2022, 12, 7391-7402.	3.6	15
33	Spatial distribution, exposure, and health risk assessment of bioavailable forms of heavy metals in surface soils from abandoned landfill sites in Kumasi, Ghana. <i>Human and Ecological Risk Assessment (HERA)</i> , 2019, 25, 1870-1885.	3.4	14
34	Human Exposures to Neonicotinoids in Kumasi, Ghana. <i>Environmental Toxicology and Chemistry</i> , 2021, 40, 2306-2318.	4.3	14
35	Comprehensive evaluation of the possible impact of roofing materials on the quality of harvested rainwater for human consumption. <i>Science of the Total Environment</i> , 2022, 819, 152966.	8.0	14
36	Chemical and biological characteristics of streams in the Owabi watershed. <i>Environmental Monitoring and Assessment</i> , 2010, 161, 413-422.	2.7	12

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37	Two-dimensional layered type-II MS <sub>2</sub> /BiOCl (M = Zr, Hf) van der Waals heterostructures: promising photocatalysts for hydrogen generation. <i>New Journal of Chemistry</i> , 2021, 45, 20365-20373.	2.8	12
38	Assessment of the activity of radionuclides and radiological impacts of consuming underground water in Kumasi, Ghana. <i>Environmental Earth Sciences</i> , 2015, 73, 399-404.	2.7	10
39	Indirect phase transition of refractory nitrides compounds of: TiN, ZrN and HfN crystal structures. <i>Computational Materials Science</i> , 2017, 137, 75-84.	3.0	10
40	Neonicotinoid residues in commercial Japanese tea leaves produced by organic and conventional farming methods. <i>Toxicology Reports</i> , 2021, 8, 1657-1664.	3.3	10
41	Characterization, Spatial Variation and Risk Assessment of Heavy Metals and a Metalloid in Surface Soils in Obuasi, Ghana. <i>Journal of Health and Pollution</i> , 2018, 8, 180902.	1.8	10
42	Potentiometric studies of the acid–base properties of tropical humic acids. <i>Geoderma</i> , 2014, 217-218, 18-25.	5.1	9
43	Assessment of ameliorative effects of organic dietary interventions on neonicotinoid exposure rates in a Japanese population. <i>Environment International</i> , 2022, 162, 107169.	10.0	9
44	Excretion of polycyclic aromatic hydrocarbon metabolites (OH-PAHs) in cattle urine in Ghana. <i>Environmental Pollution</i> , 2016, 218, 331-337.	7.5	8
45	Effect of van der Waals stacking in CdS monolayer on enhancing the hydrogen production efficiency of SiH monolayer. <i>Materials Advances</i> , 2022, 3, 4629-4640.	5.4	8
46	Quality of leachate from the Oti Landfill Site and its effects on groundwater: a case history. <i>Environmental Earth Sciences</i> , 2018, 77, 1.	2.7	7
47	Simultaneous quantification of imidacloprid and its metabolites in tissues of mice upon chronic low-dose administration of imidacloprid. <i>Journal of Chromatography A</i> , 2021, 1652, 462350.	3.7	7
48	Physicochemical Analysis of Roof Runoffs from the Obuasi Area. <i>Water Practice and Technology</i> , 2011, 6, .	2.0	6
49	Pollution and Health Risk Implications of Heavy Metals in the Surface Soil of Asafo Auto-Mechanic Workshop in Kumasi, Ghana. <i>Chemistry Africa</i> , 2022, 5, 189-199.	2.4	6
50	Ecological and Human Health Risk Assessment of Pesticide Residues in Fish and Sediments from Veaa Irrigation Reservoir. <i>Journal of Environmental Protection</i> , 2021, 12, 265-279.	0.7	4
51	Metadiscourse within a discipline: A study of introduction and literature review chapters of sociology mastersâ€™ theses. <i>Indonesian Journal of Applied Linguistics</i> , 2020, 10, 471-480.	0.3	4
52	Modelling the distribution of arsenic and mercury in urine using chemometric tools. <i>Cogent Chemistry</i> , 2019, 5, 1586064.	2.5	3
53	Distribution of heavy metals in sediments, physicochemical and microbial parameters of water from River Subin of Kumasi Metropolis in Ghana. <i>Scientific African</i> , 2022, 15, e01074.	1.5	2
54	Determination of benzo[a]pyrene levels in ambient air and the source of polycyclic aromatic hydrocarbons using a diagnostic ratio method in Ghana. <i>Japanese Journal of Veterinary Research</i> , 2013, 61 Suppl, S72-4.	0.7	2

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55	Effects of per-household processes on the levels of chlorpyrifos residues in lettuce ( <i>Lactuca sativa</i> ). International Journal of Food Contamination, 2016, 3, .	4.3	1
56	Contamination Levels and Sources of Heavy Metals and a Metalloid in Surface Soils in the Kumasi Metropolis, Ghana. Journal of Health and Pollution, 2017, 8, 28-39.	1.8	0
57	Sex and site differences in urinary excretion of conjugated pyrene metabolites in the West African Shorthorn cattle. Journal of Veterinary Medical Science, 2018, 80, 375-381.	0.9	0
58	Examining graphemic and lexical anglicisms in Twi for academic purposes in textbooks written in Twi. Linguistik Online, 2022, 113, 3-15.	0.1	0
59	Potentially toxic Metal Loads in Soils Supporting Medicinal Plants in the Ashanti Region of Ghana. Chemistry Africa, 0, , 1.	2.4	0