Osei Yaw Akoto

List of Publications by Year
in descending order

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	Pollution and Health Risk Implications of Heavy Metals in the Surface Soil of Asafo Auto-Mechanic Workshop in Kumasi, Ghana. Chemistry Africa, 2022, 5, 189-199.	2.4	6
2	Comprehensive evaluation of the possible impact of roofing materials on the quality of harvested rainwater for human consumption. Science of the Total Environment, 2022, 819, 152966.	8.0	14
3	Distribution of heavy metals in sediments, physicochemical and microbial parameters of water from River Subin of Kumasi Metropolis in Ghana. Scientific African, 2022, 15, e01074.	1.5	2
4	Enhancing the photocatalytic hydrogen generation performance and strain regulation of the vertical GeI₂/C₂N van der Waals heterostructure: insights from first-principles study. Energy Advances, 2022, 1, 146-158.	3.3	15
5	Boosting the photocatalytic H₂ evolution activity of type-II g-GaN/Sc₂CO₂ van der Waals heterostructure using applied biaxial strain and external electric field. RSC Advances, 2022, 12, 7391-7402.	3.6	15
6	Examining graphemic and lexical anglicisms in Twi for academic purposes in textbooks written in Twi. Linguistik Online, 2022, 113, 3-15.	0.1	0
7	Assessment of ameliorative effects of organic dietary interventions on neonicotinoid exposure rates in a Japanese population. Environment International, 2022, 162, 107169.	10.0	9
8	Effect of van der Waals stacking in CdS monolayer on enhancing the hydrogen production efficiency of SiH monolayer. Materials Advances, 2022, 3, 4629-4640.	5.4	8
9	Developmental neurotoxicity of low concentrations of bisphenol A and S exposure in zebrafish. Chemosphere, 2021, 262, 128045.	8.2	38
10	Ecological and Human Health Risk Assessment of Pesticide Residues in Fish and Sediments from Vea Irrigation Reservoir. Journal of Environmental Protection, 2021, 12, 265-279.	0.7	4
11	Human Exposures to Neonicotinoids in Kumasi, Ghana. Environmental Toxicology and Chemistry, 2021, 40, 2306-2318.	4.3	14
12	Simultaneous quantification of imidacloprid and its metabolites in tissues of mice upon chronic low-dose administration of imidacloprid. Journal of Chromatography A, 2021, 1652, 462350.	3.7	7
13	Defect-engineered two-dimensional layered gallium sulphide molecular gas sensors with ultrahigh selectivity and sensitivity. Applied Surface Science, 2021, 562, 150188.	6.1	18
14	A comprehensive evaluation of surface water quality and potential health risk assessments of Sisa river, Kumasi. Groundwater for Sustainable Development, 2021, 15, 100654.	4.6	22
15	Neonicotinoid residues in commercial Japanese tea leaves produced by organic and conventional farming methods. Toxicology Reports, 2021, 8, 1657-1664.	3.3	10
16	Two-dimensional layered type-II MS₂/BiOCl (M = Zr, Hf) van der Waals heterostructures: promising photocatalysts for hydrogen generation. New Journal of Chemistry, 2021, 45, 20365-20373.	2.8	12
17	Metadiscourse within a discipline: A study of introduction and literature review chapters of sociology mastersâ€™ theses. Indonesian Journal of Applied Linguistics, 2020, 10, 471-480.	0.3	4
18	Spatial distribution, exposure, and health risk assessment of bioavailable forms of heavy metals in surface soils from abandoned landfill sites in Kumasi, Ghana. Human and Ecological Risk Assessment (HERA), 2019, 25, 1870-1885.	3.4	14

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19	Modelling the distribution of arsenic and mercury in urine using chemometric tools. Cogent Chemistry, 2019, 5, 1586064.	2.5	3
20	Heavy metal contamination assessment of groundwater quality: a case study of Oti landfill site, Kumasi. Applied Water Science, 2019, 9, 1.	5.6	116
21	Chemical characteristics and health hazards of heavy metals in shallow groundwater: case study Anloga community, Volta Region, Ghana. Applied Water Science, 2019, 9, 1.	5.6	25
22	Preliminary Studies on the Use of Sawdust and Peanut Shell Powder as Adsorbents for Phosphorus Removal from Water. Emerging Science Journal, 2019, 3, 33.	3.7	33
23	Association between human exposure to heavy metals/metalloid and occurrences of respiratory diseases, lipid peroxidation and DNA damage in Kumasi, Ghana. Environmental Pollution, 2018, 235, 163-170.	7.5	34
24	Quality of leachate from the Oti Landfill Site and its effects on groundwater: a case history. Environmental Earth Sciences, 2018, 77, 1.	2.7	7
25	Bioaccumulation factors and multivariate analysis of heavy metals of three edible fish species from the Barekese reservoir in Kumasi, Ghana. Environmental Monitoring and Assessment, 2018, 190, 553.	2.7	18
26	Characterization, Spatial Variation and Risk Assessment of Heavy Metals and a Metalloid in Surface Soils in Obuasi, Ghana. Journal of Health and Pollution, 2018, 8, 180902.	1.8	10
27	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
28	Changes in water quality in the Owabi water treatment plant in Ghana. Applied Water Science, 2017, 7, 175-186.	5.6	16
29	Indirect phase transition of refractory nitrides compounds of: TiN, ZrN and HfN crystal structures. Computational Materials Science, 2017, 137, 75-84.	3.0	10
30	Oxidative stress and respiratory symptoms due to human exposure to polycyclic aromatic hydrocarbons (PAHs) in Kumasi, Ghana. Environmental Pollution, 2017, 228, 311-320.	7.5	64
31	Contamination Levels and Sources of Heavy Metals and a Metalloid in Surface Soils in the Kumasi Metropolis, Ghana. Journal of Health and Pollution, 2017, 7, 28-39.	1.8	20
32	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
33	Contamination from mercury and other heavy metals in a mining district in Ghana: discerning recent trends from sediment core analysis. Environmental Systems Research, 2016, 5, .	3.7	20
34	Heavy Metals Enrichment in Surface Soil from Abandoned Waste Disposal Sites in a Hot and Wet Tropical Area. Environmental Processes, 2016, 3, 747-761.	3.5	20
35	Excretion of polycyclic aromatic hydrocarbon metabolites (OH-PAHs) in cattle urine in Ghana. Environmental Pollution, 2016, 218, 331-337.	7.5	8
36	Pesticide residues in water, sediment and fish from Tono Reservoir and their health risk implications. SpringerPlus, 2016, 5, 1849.	1.2	58

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37	Effects of per-household processes on the levels of chlorpyrifos residues in lettuce (Lactuca sativa). International Journal of Food Contamination, 2016, 3, .	4.3	1
38	Groundwater quality assessment using statistical approach and water quality index in Ejisu-Juaben Municipality, Ghana. Environmental Earth Sciences, 2016, 75, 1.	2.7	137
39	Accumulation of Heavy Metals and Metalloid in Foodstuffs from Agricultural Soils around Tarkwa Area in Ghana, and Associated Human Health Risks. International Journal of Environmental Research and Public Health, 2015, 12, 8811-8827.	2.6	48
40	Ecological Risk of Heavy Metals and a Metalloid in Agricultural Soils in Tarkwa, Ghana. International Journal of Environmental Research and Public Health, 2015, 12, 11448-11465.	2.6	49
41	Distribution of natural and artificial radioactivity in soils, water and tuber crops. Environmental Monitoring and Assessment, 2015, 187, 339.	2.7	29
42	Levels, potential sources and human health risk of polycyclic aromatic hydrocarbons (PAHs) in particulate matter (PM10) in Kumasi, Ghana. Environmental Science and Pollution Research, 2015, 22, 9658-9667.	5.3	54
43	Carcinogenic and non-carcinogenic risk of organochlorine pesticide residues in processed cereal-based complementary foods for infants and young children in Ghana. Chemosphere, 2015, 132, 193-199.	8.2	49
44	Estimation of human health risk associated with the consumption of pesticide-contaminated vegetables from Kumasi, Ghana. Environmental Monitoring and Assessment, 2015, 187, 244.	2.7	50
45	Health risk assessment of heavy metals and metalloid in drinking water from communities near gold mines in Tarkwa, Ghana. Environmental Monitoring and Assessment, 2015, 187, 397.	2.7	117
46	Heavy metal accumulation in untreated wastewater-irrigated soil and lettuce (Lactuca sativa). Environmental Earth Sciences, 2015, 74, 6193-6198.	2.7	16
47	Assessment of the activity of radionuclides and radiological impacts of consuming underground water in Kumasi, Ghana. Environmental Earth Sciences, 2015, 73, 399-404.	2.7	10
48	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). Ecotoxicology and Environmental Safety, 2015, 111, 160-167.	6.0	160
49	Occurrence, distribution, sources and toxic potential of polycyclic aromatic hydrocarbons (PAHs) in surface soils from the Kumasi Metropolis, Ghana. Science of the Total Environment, 2014, 496, 471-478.	8.0	100
50	Evaluation of Owabi Reservoir (Ghana) water quality using factor analysis. Lakes and Reservoirs: Research and Management, 2014, 19, 174-182.	0.9	21
51	Potentiometric studies of the acidâ€“base properties of tropical humic acids. Geoderma, 2014, 217-218, 18-25.	5.1	9
52	Determination of benzo[a]pyrene levels in ambient air and the source of polycyclic aromatic hydrocarbons using a diagnostic ratio method in Ghana. Japanese Journal of Veterinary Research, 2013, 61 Suppl, S72-4.	0.7	2
53	Levels and seasonal variations of organochlorine pesticides in urban and rural background air of southern Ghana. Environmental Science and Pollution Research, 2012, 19, 1963-1970.	5.3	28
54	Physicochemical Analysis of Roof Runoffs from the Obuasi Area. Water Practice and Technology, 2011, 6, .	2.0	6

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55	Chemical and biological characteristics of streams in the Owabi watershed. Environmental Monitoring and Assessment, 2010, 161, 413-422.	2.7	12
56	Dietary intake of organophosphorus pesticide residues through vegetables from Kumasi, Ghana. Food and Chemical Toxicology, 2008, 46, 3703-3706.	3.6	166
57	Persistent organochlorine pesticide residues in fish, sediments and water from Lake Bosomtwi, Ghana. Chemosphere, 2008, 72, 21-24.	8.2	139
58	Isoflavones and coumarins from Milletia thonningii. Phytochemistry, 1999, 51, 937-941.	2.9	24
59	Potentially toxic Metal Loads in Soils Supporting Medicinal Plants in the Ashanti Region of Ghana. Chemistry Africa, 0, , 1.	2.4	0