

David Kofi Essumang

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RESEARCH

Interests Pharmacology · Toxicology and Pharmaceutics

Areas Health, Toxicology and Mutagenesis · Pollution · Water Science and Technology · Environmental Chemistry · Artificial Intelligence · Plant Science

RESEARCH SUMMARY

168	3,668	37	79	1.63	18%
Publications	Citations	h-index	i10-index	Field-weighted impact	World top 10%

Counted from the 168 publications listed below, 2005–2026. Field-weighted impact is the mean over the 98 works scored for it; 1.00 is the world average for works of the same field, type and year. 18 of the 98 papers scored for it are among the world's most cited tenth for their field, type and year.

POSITIONS

Teaching and Research

Chemistry, University of Cape Coast, Cape Coast, Ghana

EDUCATION AND QUALIFICATIONS

PhD.

Aalborg University, Aalborg, Denmark

MPhil. Chemistry

Chemistry, University of Cape Coast, Cape Coast, Ghana

1997–2001

BSc. Chemistry

Chemistry, University of Cape Coast, Cape Coast, Ghana

1991–1996

PUBLICATIONS

Journal articles 151

1. Albert Ofori, Michael Aboah, Isaac Benkyi, Charity Owusu, Acquah Ezekiel Kojo, David K. Essumang (2026). Comparison of computational and experimental outcomes in the degradation approaches of PFAS: A review study. *Next Sustainability*. <https://doi.org/10.1016/j.nxsust.2026.100256>
2. Justice Wiston Armstrong Jonathan, Daniel Elorm Kwame Kabotso, David Kofi Essumang, John Kwesi Bentum, Isaac Boamah, John Nketsiah, Innocentia Ruby Gborgblorvor, Alberta Dzifa Dayie, Justice Hayfron (2026). Heavy metal concentrations in composite breast milk and health risk assessment for breastfed infants in Ho, Ghana. *Heliyon*. <https://doi.org/10.1016/j.heliyon.2026.e45425>
3. Frank Adusei-Mensah, Charity Owusu, Albert Ofori, Samuel Kyei, Carl Halladay Abraham, Sunday Olaleye, Samson Oluwafemi Balogun, Richard Osei Agjei, David K. Essumang (2026). Knowledge, Attitudes, Practice and the Prevalence of Eye Conditions Among Commercial Fish Smokers in Abuesi, Ghana: A Cross-Sectional Study. *Health Science Reports*. <https://doi.org/10.1002/hsr2.72493>
4. David Essumang (2026). Soil and Water Contamination by Perfluoroalkyl Acids (PFAAs) at Fire Outbreak Sites in Ghana: Distribution and Screening-level Risk Assessment. *Water, Air, & Soil Pollution*. <https://doi.org/10.1007/s11270-026-09990-4>

5. Robert Ohene Adu, David Kofi Esumang, Daniel Gyabaah, Isaac Bainin (2025). Assessing the hazards of welders at the Sunyani garages in Ghana. *Journal of industrial safety*. <https://doi.org/10.1016/j.jinse.2025.08.001>
6. James Atta Dadson, David Kofi Esumang, Emmanuel Asare Ayim (2025). Assessment of Kaolin Canister Filters for Heavy Metal Removal from Contaminated Bore-Hole Water in Gold Mining Communities in Tarkwa-Nsuaem in the Western Region of Ghana. *International Journal of Innovative Science and Research Technology*. <https://doi.org/10.38124/ijisrt/25may2108>
7. M. Dorleku, C. Tay, V. A. Barku, S. Osa, D. K. Esumang (2025). Assessment of the processes influencing co-occurrence of arsenic and fluoride for pollution identification in groundwater within the Upper Oti Basin, Ghana. *Sustainable Water Resources Management*. <https://doi.org/10.1007/s40899-025-01272-x>
8. Joseph K. Adjei, Thomas Ahenguah, Anita Asamoah, John K. Bentum, David K. Esumang (2025). Distribution paradigm, ecological risk assessment and source apportionment of multiclass pesticides in the aquatic environment. *Ecotoxicology*. <https://doi.org/10.1007/s10646-025-02992-8>
9. Justice Wiston Armstrong Jonathan, Daniel Elorm Kwame Kabotso, David Kofi Esumang, John Kwesi Bentum, Jesse Azebiik Anak, Innocentia Ruby Gborgblorvor, Emmanuel Kormla Danyo, Hintermann Mbroh, John Tampuori, Richard Harry Asmah (2025). Essential minerals in colostrum of preterm and full-term Ghanaian mothers and related maternal factors. *Scientific Reports*. <https://doi.org/10.1038/s41598-025-15815-x>
10. John K. Bentum, Albert Eshun, David K. Esumang, Patrick Boakye, Joseph Kweku Adjei, Obed O. Ohene-Kwayisi, Jonathan N. Hogarh (2025). Fingerprints of Polychlorinated Biphenyl (PCB) Congener and Homologous Profile of the Pra River Basin Sediment. *OALib*. <https://doi.org/10.4236/oalib.1113166>
11. Charity Owusu, Albert Ofori, Frank Adusei-Mensah, Micheal Asare, Reginald Quansah, David K. Esumang (2025). Indoor air pollution in traditional fish smokehouses in Abuesi, Ghana: Health and environmental implications. *Journal of industrial safety*. <https://doi.org/10.1016/j.jinse.2025.10.005>
12. James Atta Dadson, J. A., Fraikue, F. B., Dodoo, D. K. Esumang, D. K. (2025). Pesticides Residue In Ghana Cocoa Beans. *African Journal of Biomedical Research*. <https://doi.org/10.53555/ajbr.v28i2s.6658>
13. John K. Bentum, Albert Eshun, David K. Esumang, Patrick Boakye, Joseph Kweku Adjei, Justice Wiston Armstrong Jonathan, Obed O. Ohene-Kwayisi (2025). Polychlorinated Biphenyls Contamination of Drinking Water Source of the Pra River: Congener Distribution and Associated Risk. *OALib*. <https://doi.org/10.4236/oalib.1113293>
14. James Atta Dadson, Roberta Antwi-Adjei, David Kwesi Dodoo, David Kofi Esumang (2025). Polycyclic Hydrocarbons (Pahs) in Ghana Cocoa Beans. *Journal of Agricultural Chemistry and Environment*. <https://doi.org/10.4236/jacen.2025.142013>
15. James Atta Dadson -, Baah Sefa-Ntire -, Esumang, D. K -, Attatsi, I. K - (2025). Remediation of Heavy Metals from Well Water in Gold Mining Communities in Tarkwa-Nsuaem, Western Region of Ghana using Synthetic Silver Impregnated Zeolite X (AgZX). *International Journal on Science and Technology*. <https://doi.org/10.71097/ijisat.v16.i2.5580>
16. Charity Owusu, Albert Ofori, Frank Adusei-Mensah, Carl Halladay Abraham, Samuel Kyei, Reginald Quansah, David Kofi Esumang (2025). The Association Between Occupational Smoke Exposures and the Prevalence of Eye and Respiratory Health Conditions Among Commercial Fish Smokers in Abuesi, Ghana: A Cross-Sectional Self-Reported Study. *Environmental Health Insights*. <https://doi.org/10.1177/11786302251317056>
17. GY Hadzi, David Kofi Esumang (2024). Assessment of contamination and potential ecological risks of heavy metals in riverine sediments from gold mining and pristine areas in Ghana. *Journal of Trace Elements and Minerals*. <https://www.sciencedirect.com/science/article/pii/S2773050623000629>
18. Justice Wiston Armstrong Jonathan, David K. Esumang, John K. Bentum, Daniel Elorm Kwame Kabotso, Innocentia Ruby Gborgblorvor, Albert Eshun, Norkplim Dei Hlorlewu, Elizabeth Davordzi (2024). Exploring perfluoroalkyl substances contamination in human breast milk: First ghanaian study. *Chemosphere*. <https://doi.org/10.1016/j.chemosphere.2024.143769>
19. Charity Owusu, Albert Ofori, Frank Adusei-Mensah, Joseph Kweku Adjei, George Yaw Hadzi, John Kwesi

Bentum, Reginald Quansah, David K Esumang (2024). Health Risk Assessment of Occupational Exposures of Polycyclic Aromatic Hydrocarbons, Phthalates, and Semi-Volatile Chlorinated Organic Compounds in Urine of Commercial Fish Smokers, Ghana. *Environmental Health Insights*. <https://doi.org/10.1177/11786302241306932>

20. Justice Wiston Armstrong Jonathan, Daniel Elorm Kwame Kabotso, David Kofi Esumang, John Kwesi Bentum, Innocentia Ruby Gborgblorvor, Fidelis M. Kpodo, Francis Ofosu-Koranteng, Comfort Worna Lotse, Norkplim Dei Hlorlewu (2024). Investigating the levels of organochlorine pesticides in human milk at three lactational stages: an intensive Ghanaian study. *Environmental Monitoring and Assessment*. <https://doi.org/10.1007/s10661-024-12404-9>
21. Samuel Fosu Gyasi, Emmanuel Timmy Donkoh, Akwasi Asamoah, Abdul Sakibu Raji, Robert Ohene Adu, David Esumang, Anthony Ablordey (2024). Isolation and assessment of *Pseudomonas aeruginosa* and *Bacillus cereus* as PCB-degrading bacteria in environmental bioremediation. *Scientific African*. <https://doi.org/10.1016/j.sciaf.2024.e02083>
22. Joseph K. Adjei, Henrietta Acquah, David K. Esumang (2024). Occurrence, efficiency of treatment processes, source apportionment and human health risk assessment of pharmaceuticals and xenoestrogen compounds in tap water from some Ghanaian communities. *Heliyon*. <https://doi.org/10.1016/j.heliyon.2024.e31815>
23. Charity Owusu, Albert Ofori, Frank Adusei-Mensah, David Kwesi Dodoo, David K. Esumang (2024). Water quality, physicochemical, heavy metal content, and health risk assessment of borehole-water from selected mining communities in Ghana. *Groundwater for Sustainable Development*. <https://doi.org/10.1016/j.gsd.2024.101230>
24. David Kofi Esumang (2023). A scientometrics view on sustainable development in surface mining: Everything from the beginning. *Resources policy*. <https://www.sciencedirect.com/science/article/pii/S0301420723001186>
25. Benjamin Ason, Frederick Ato Armah, David Kofi Esumang (2023). Risks of toxic elements and endocrine disruptors in some soils in Ghana. *International Journal of Environmental Studies*. <https://doi.org/10.1080/00207233.2023.2192617>
26. Benjamin Ason, Frederick Ato Armah, David Kofi Esumang (2022). Characterization and quantification of endocrine disruptors in female menstrual blood samples. *Toxicology Reports*. <https://doi.org/10.1016/j.toxrep.2022.10.007>
27. David Kofi Esumang (2022). Contaminant fate and human exposure to endocrine disrupting chemicals in selected contaminated soils in Ghana. *PhD diss., University of Cape Coast*. <https://ir.ucc.edu.gh/server/api/core/bitstreams/5464058b-1703-4a49-863b-06a236b86aec/content>
28. Robert Ohene Adu, Samuel Fosu Gyasi, David Kofi Esumang, Samuel Adu-Gyamfi (2022). Design and construction of a gas filter system for hospital incinerators. *Environmental Challenges*. <https://doi.org/10.1016/j.envc.2022.100651>
29. Robert Ohene Adu, Samuel Fosu Gyasi, David Kofi Esumang (2022). Effectiveness of Charcoal Adsorbent in Flue Gas Filters for PCB Reduction in Smoke from Hospital Incinerators. *Journal of Combustion*. <https://doi.org/10.1155/2022/5253467>
30. S. Obiri, R Gobinah, D.K. Esumang, F.A. Armah, B. Ason, T.A. Tagbor, S.M. Kirgiz (2022). Extraction of TiO₂ from kaolin deposits in the Central Region, Ghana: An alternative material for the formulation of climate-smart Portland cement. *Materials Today Proceedings*. <https://doi.org/10.1016/j.matpr.2022.07.090>
31. David Kofi Esumang (2022). Health Hazard Assessment Due to Slimming Medicinal Plant Intake: Werdemberg dos Santos et al. *Biological trace element research*. <https://doi.org/10.1007/s12011-021-02732-z>
32. Benjamin Ason, David Kofi Esumang (2022). Increasing Pesticide Use and Knowledge of the Health Effects of Endocrine Disrupting Chemicals in the Environment: A Study of Three Communities in Ghana. *The Journal of Population and Sustainability*. <https://doi.org/10.3197/jps.63788304908974>
33. Joseph K. Adjei, Alberta D. Dayie, Justice K. Addo, Anita Asamoah, Ernest O. Amoako, Benedicta Y. Egoh, Ebenezer Bekoe, Nathaniel O. Ofori, George A. Adjei, David K. Esumang (2022). Occurrence, ecological

risk assessment and source apportionment of pharmaceuticals, steroid hormones and xenoestrogens in the Ghanaian aquatic environments. *Toxicology Reports*. <https://doi.org/10.1016/j.toxrep.2022.06.011>

34. M. Dorleku, A. Gibrilla, S. Ganyaglo, A. Duah, S. Osae, D. K. Esumang (2022). Spatio-temporal variation of groundwater chemistry in the Upper Oti Basin of Ghana. *Environmental Monitoring and Assessment*. <https://doi.org/10.1007/s10661-022-10760-y>
35. Enoch Akyeampong, John R Bend, Isaac Luginaah, David Oscar Yawson, Samuel Jerry Cobbina, Frederick Ato Armah, Michael Osei Adu, David Kofi Esumang, Samuel Iddi, Paul K Botwe, Reginald Quansah (2022). Urinary Pesticide Residual Levels and Acute Respiratory Infections in Children Under 5 Years of Age: Findings From the Offinso North Farm Health Study. *Environmental Health Insights*. <https://doi.org/10.1177/11786302221094418>
36. Nathaniel Thompson, Joseph Kweku Adjei, John Kwesi Bentum, David Kofi Esumang, Godfred Odame Duodu, George Hadzi, George Alimo Adjei (2022). Vehicular influence on atmospheric concentrations and source apportionment of polycyclic aromatic hydrocarbons in some major cities in three regions of Ghana using epiphytic lichens. *Toxicology Reports*. <https://doi.org/10.1016/j.toxrep.2022.08.002>
37. David Kofi Esumang (2021). Assessment of Risk from Liquefied Petroleum Gas (LPG) Filling Stations in the Accra Metropolis and Its Implications for Land Use Planning. *University of Cape Coast: Cape Coast, Ghana*. <https://ir.ucc.edu.gh/server/api/core/bitstreams/92f4d960-b08b-4737-b686-935946d6a162/content>
38. David Kofi Esumang (2021). Dental Waste Management Practices Among Dental Professionals In Selected Dental Hospitals/Clinics And Laboratories In South East Nigeria. *IOSR Journal of Dental and Medical Sciences (IOSR-JDMS) e-ISSN*.
39. David Kofi Esumang (2021). Disposición final de residuos sólidos hospitalarios. 3. <https://www.academia.edu/download/94289992/590.pdf>
40. Joseph Kweku Adjei, Albert Ofori, Harry Kwaku Megbenu, Thomas Ahenguah, Alex Kissi Boateng, George Alimoh Adjei, John Kwesi Bentum, David Kofi Esumang (2021). Health risk and source assessment of semi-volatile phenols, p-chloroaniline and plasticizers in plastic packaged (sachet) drinking water. *The Science of The Total Environment*. <https://doi.org/10.1016/j.scitotenv.2021.149008>
41. David Kofi Esumang (2021). Identifying human health risks from precious metal mining in Sierra Leone: Identifying Human Health Risks from Precious Metal Mining in Sierra Leone. *Regional environmental change*. <https://doi.org/10.1007/s10113-020-01731-5>
42. Collins Kuffour, David Kofi Esumang, Hugh Komla Akotoye, Richard Amankwah Kuffour, Janice Dwomoh Abraham (2021). Pesticide and Nutrient Loads of Lake Bosomtwe in the Ashanti Region of Ghana. *Journal of Water Resource and Protection*. <https://doi.org/10.4236/jwarp.2021.1310042>
43. David Kofi Esumang (2021). The Contribution Soil Heavy Metals Pollution to the Cause of Destruction of the Coconut Palm in Some Selected Areas of the Central Region of Ghana: A Case Study in Ajumako *Master of Philosophy Thesis, University of Cape Coast*. <https://ir.ucc.edu.gh/server/api/core/bitstreams/ded6cbdc-2d24-45a2-9bf5-1953da879cc8/content>
44. Emmanuel Amoakwah, Shamim Ahsan, Mohammad Arifur Rahman, Eric Asamoah, D. K. Esumang, Mursheda Ali, Khandakar Rafiq Islam (2020). Assessment of Heavy Metal Pollution of Soil-water-vegetative Ecosystems Associated with Artisanal Gold Mining. *Soil and Sediment Contamination An International Journal*. <https://doi.org/10.1080/15320383.2020.1777936>
45. David Kofi Esumang (2020). Cadmium Health Risk Assessment and Anthropogenic Sources of Pollution in Mount-Lebanon Springs: D. Halwani et al. *Exposure and Health*. <https://doi.org/10.1007/s12403-019-00301-3>
46. David Kofi Esumang (2020). Development of a New Ultra High Performance Liquid Chromatographic Method With Fluorescence and Dad Detection for Efficient Separation and Analysis of Antiparasitic *PhD diss., University of Cape Coast*. <https://ir.ucc.edu.gh/server/api/core/bitstreams/276e41ad-3bb6-49cf-b90d-cd92d5f716b6/content>
47. David Kofi Esumang (2020). Evaluating strategies to reduce arsenic poisoning in South Asia: A view from the social sciences. *Asian Development Review*. https://doi.org/10.1162/adev_a_00148

48. Robert Ohene Adu, Samuel Fosu Gyasi, David Kofi Essumang, Kenneth Bentum Otobil (2020). Medical Waste-Sorting and Management Practices in Five Hospitals in Ghana. *Journal of Environmental and Public Health*. <https://doi.org/10.1155/2020/2934296>
49. David Kofi Essumang (2020). The Evaluation of Concentration of Harmful Chemical Pollutants in Fume Caused by Surgical Cauterization in Hospital Surgery Rooms Related to Pharmacological Aspects. *Journal of Pharmaceutical Research International*. <https://kosarhos.semums.ac.ir/uploads/19/2020/Sep/21/%D9%85%D9%82%D8%A7%D9%84%D9%87%20%D8%AF%DA%A9%D8%AA%D8%B1%20%D9%BE%D9%87%D9%84%D9%88%D8%A7%D9%86%202020.pdf>
50. David Kofi Essumang (2020). Unsafe waters: The hydrosocial cycle of drinking water in Western Mexico. *Local Environment*. <https://doi.org/10.1080/13549839.2020.1805598>
51. K. O. Boadu, O. F. Joel, D. K. Essumang, B. O. Evbuomwan (2019). A Review of Methods for Removal of Contaminants in Used Lubricating Oil. *Chemical Science International Journal*. <https://doi.org/10.9734/csji/2019/v26i430101>
52. K.O Boadu, O.F Joel, D.K Essumang, B.O Evbuomwan (2019). Comparative Studies of the Physicochemical Properties and Heavy Metals adsorption Capacity of Chemical Activated Carbon from Palm Kernel, Coconut and Groundnut Shells. *Journal of applied science and environmental management*. <https://doi.org/10.4314/jasem.v22i11.19>
53. George Yaw Hadzi, Godwin A. Ayoko, David K. Essumang, Shiloh K. D. Osae (2019). Contamination impact and human health risk assessment of heavy metals in surface soils from selected major mining areas in Ghana. *Environmental Geochemistry and Health*. <https://doi.org/10.1007/s10653-019-00332-4>
54. Frank Adusei-Mensah, David Kofi Essumang, Richard Osei Agjei, Jussi Kauhanen, Carina Tikkanen-Kaukanen, Martins Ekor (2019). Heavy metal content and health risk assessment of commonly patronized herbal medicinal preparations from the Kumasi metropolis of Ghana. *Journal of Environmental Health Science and Engineering*. <https://doi.org/10.1007/s40201-019-00373-y>
55. David Kofi Essumang (2019). Heavy metal content of herbal health supplement products in Dubai–UAE: a cross-sectional study. *BMC complementary and alternative medicine*. <https://doi.org/10.1186/s12906-019-2693-3>
56. Joseph Kweku Adjei, David Kofi Essumang, Evelyn Twumasi, Eric Nyame, Ishmael Muah (2019). Levels and risk assessment of residual phthalates, polycyclic aromatic hydrocarbons and semi-volatile chlorinated organic compounds in toilet tissue papers. *Toxicology Reports*. <https://doi.org/10.1016/j.toxrep.2019.11.013>
57. Anita Asamoah, Mahdi Nikbakht Fini, David Kofi Essumang, Jens Muff, Erik Gydesen Søgaard (2019). PAHs contamination levels in the breast milk of Ghanaian women from an e-waste recycling site and a residential area. *The Science of The Total Environment*. <https://doi.org/10.1016/j.scitotenv.2019.02.204>
58. Reginald Quansah, John R. Bend, Frederick Ato Armah, Felix Bonney, Joshua Aseidu, David Oscar Yawson, Michael Osei Adu, Isaac Luginaah, David Kofi Essumang, Abukari Abdul-Rahaman, Samuel Cobbina, Samuel Iddi, Matthew Tersigni, Samuel Afful, Peter Osei-Fosu, Edward Nketiah-Amponsah (2019). Respiratory and non-respiratory symptoms associated with pesticide management practices among farmers in Ghana's most important vegetable hub. *Environmental Monitoring and Assessment*. <https://doi.org/10.1007/s10661-019-7898-x>
59. George Yaw Hadzi, David Kofi Essumang, Godwin A. Ayoko (2018). Assessment of contamination and health risk of heavy metals in selected water bodies around gold mining areas in Ghana. *Environmental Monitoring and Assessment*. <https://doi.org/10.1007/s10661-018-6750-z>
60. Kofi W. Adu, Paul Armstrong, Lucas Servera, David K. Essumang, Samuel Y. Mensah (2018). Conversion of Agricultural Waste Streams into Value Added Products. *MRS Advances*. <https://doi.org/10.1557/adv.2018.232>
61. Israel Doyi, David Essumang, Gustav Gbeddy, Samuel Dampare, Elliot Kumassah, David Saka (2018). Spatial distribution, accumulation and human health risk assessment of heavy metals in soil and groundwater of the Tano Basin, Ghana. *Ecotoxicology and Environmental Safety*. <https://doi.org/10.1016/j.ecoenv.2018.09.015>

62. David Kofi Esumang (2018). Summary of the 2016-2018 directed study course for Graduate Students studying integrated fisheries management. *The USAID/Ghana Sustainable Fisheries Management Project (SFMP)*. Narragansett, RI: Coastal Resources Center, Graduate School of Oceanography, University of Rhode Island. GH2014_SCI045_CRC. http://www.crc.uri.edu/download/GH2014_SCI045_CRC_FIN508.pdf
63. David Kofi Esumang (2018). The evidence base for social determinants of health as risk factors for infant mortality: A systematic scoping review. *Journal of health care for the poor and underserved*. <https://muse.jhu.edu/pub/1/article/708237/summary>
64. E.A. Asare, D.K. Esumang, D.K. Dodoo, S. Tagoe (2018). Utilization of *Bacillus thuringiensis* MC28 as a biosorbent for mercury in groundwaters from some selected gold mining communities in the Wassa West District of the Western Region of Ghana. *Environmental Nanotechnology Monitoring & Management*. <https://doi.org/10.1016/j.enmm.2017.12.005>
65. Anita Asamoah, David Kofi Esumang, Jens Muff, Sergey V. Kucheryavskiy, Erik Gydesen Søgaard (2017). Assessment of PCBs and exposure risk to infants in breast milk of primiparae and multiparae mothers in an electronic waste hot spot and non-hot spot areas in Ghana. *The Science of The Total Environment*. <https://doi.org/10.1016/j.scitotenv.2017.08.177>
66. David Kofi Esumang (2017). Assessment of the contamination level of persistent organic pollutants in breast milk of Ghanaian women from a polluted area in Accra. *Environ. Sci.* https://vbn.aau.dk/ws/files/549443117/PHD_Anita_Asamoa_E.pdf.pdf
67. DK Esumang, DK Dodoo (2017). Determination of pesticides residue content in watermelon fruit from Ghana. *Fruits*. <https://revues.cirad.fr/index.php/fruits/article/download/32026/31625>
68. I. N. Doyi, D. K. Esumang, S. B. Dampare, D. Duah, A. F. Ahwireng (2017). Evaluation of radionuclides and decay simulation in a terrestrial environment for health risk assessment. *Scientific Reports*. <https://doi.org/10.1038/s41598-017-16659-w>
69. Israel Nutifafa Yawo Doyi, David Kofi Esumang, Asare Kwaku Agyapong, Samuel Asumadu-Sarkodie (2017). Soil-to-cassava transfer of naturally occurring radionuclides from communities along Ghana's oil and gas rich Tano Basin. *Journal of Environmental Radioactivity*. <https://doi.org/10.1016/j.jenvrad.2017.11.036>
70. Reginald Quansah, John R. Bend, Abukari Abdul-Rahaman, Frederick Ato Armah, Isaac Luginaah, David Kofi Esumang, Samuel Iddi, Jonathan Chevrier, Samuel Jerry Cobbina, Edward Nketiah-Amponsah, Samuel Adu-Kumi, Godfred Darko, Samuel Afful (2016). Associations between pesticide use and respiratory symptoms: A cross-sectional study in Southern Ghana. *Environmental Research*. <https://doi.org/10.1016/j.envres.2016.06.013>
71. David K. Esumang, Albert Eshun, Jonathan N. Hogarh, John K. Bentum, Joseph K. Adjei, Junya Negishi, Shihori Nakamichi, Md Habibullah-Al-Mamun, Shigeki Masunaga (2016). Perfluoroalkyl acids (PFAAs) in the Pra and Kakum River basins and associated tap water in Ghana. *The Science of The Total Environment*. <https://doi.org/10.1016/j.scitotenv.2016.11.035>
72. DK Esumang, DK Dodoo, JK Adjei (2016). Polycyclic aromatic hydrocarbons in settled dust particles in selected Ghanaian environments: levels, source characterization, and assessment of inhalational health risks. *Indoor and Built Environment*.
73. John K. Bentum, David K. Dodoo, Peter K. Kwakye, David K. Esumang, George A. Adjei (2016). Spatial and Temporal Distribution of Polychlorinated Biphenyl Residues in Tropical Soils. *Open Journal of Applied Sciences*. <https://doi.org/10.4236/ojapps.2016.64024>
74. Reginald Quansah, Frederick Ato Armah, David Kofi Esumang, Isaac Luginaah, Edith Clarke, Kissinger Marfoh, Samuel Jerry Cobbina, Edward Nketiah-Amponsah, Proscovia Bazanya Namujju, Samuel Obiri, Mawuli Dzodzomenyo (2015). Association of Arsenic with Adverse Pregnancy Outcomes/Infant Mortality: A Systematic Review and Meta-Analysis. *Environmental Health Perspectives*. <https://doi.org/10.1289/ehp.1307894>
75. D. K. Esumang (2015). Comparative studies of cyanide, cadmium, arsenic and mercury in cassava (*Manihot esculanta*) and water cocoyam (*Colocasia esculenta*) on mined and reclaimed mined lands in a *Journal of Chemical and Pharmaceutical Research*, :650-656. <https://www.academia.edu/download/123522717/comparative-studies-of-cyanide-cadmium-arsenic-and-mercury-in-cassavamanihot->

76. George Yaw Hadzi, David Kofi Essumang, Joseph Kwaku Adjei (2015). Distribution and Risk Assessment of Heavy Metals in Surface Water from Pristine Environments and Major Mining Areas in Ghana. *Journal of Health and Pollution*. <https://doi.org/10.5696/2156-9614-5-9.86>
77. David Essumang (2015). Letter to the Editor: Supplied but not Supported. *The Analytical Scientist*.
78. David Kofi Essumang (2015). The study of acoustic effects in carbon allotropes. *space*. <https://ir.ucc.edu.gh/server/api/core/bitstreams/bb6c55ce-0555-403a-82fa-31e48c961076/content>
79. Emmanuel Amoakwah, Stijn Van Slycken, David K. Essumang (2014). Comparison of the Solubilizing Efficiencies of Some pH Lowering (Sulphur and (NH₄)₂SO₄) Amendments on Cd and Zn Mobility in Soils. *Bulletin of Environmental Contamination and Toxicology*. <https://doi.org/10.1007/s00128-014-1319-1>
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