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RESEARCH

Interests	Environmental/analytical chemistry
Areas	Biomedical Engineering · Environmental Chemistry · Pollution · Analytical Chemistry · Civil and Structural Engineering · Control and Systems Engineering

RESEARCH SUMMARY

8	18	2	1	0.18	0%
Publications	Citations	h-index	i10-index	Field-weighted impact	World top 10%

Counted from the 8 publications listed below, 2014–2026. Field-weighted impact is the mean over the 6 works scored for it; 1.00 is the world average for works of the same field, type and year. 0 of the 6 papers scored for it are among the world's most cited tenth for their field, type and year.

PUBLICATIONS

Journal articles 8

1. **James Kwame Kusi**, Sam Arkoful, Twumasi Ankrah Kwarteng, Jacob Dadzie (2026). Assessment of Groundwater Quality in Agona East District, Ghana. *Journal of Environmental & Earth Sciences*. https://doi.org/10.30564/jees.v8i4.13021
2. Lilian Sarpong, **James Kwame Kusi**, Daniel Lamptey Kozah, Osei Akoto (2026). Comparative Analysis of Airborne Atrazine and Associated Health Risks in Urban and Rural Communities in Ghana. *Chemistry Africa*. https://doi.org/10.1007/s42250-026-01628-6
3. **James K Kusi** (2026). Determination of Benzoic Acid Levels and pH in Commercial Herbal Decoctions Marketed in Ghana. *European Journal of Nutrition & Food Safety*. https://www.academia.edu/download/132536186/Kusi1822026EJNFS151837.pdf
4. **G. Foli and O. Akoto J. K. Kusi** (2026). GEOCHEMICAL CHARACTERIZATION OF AN ABANDONED MINE TAILINGS AND ITS METAL LEACHING POTENTIAL. *Journal of Ghana Science Association*.
5. Francis Opoku, Albert Aniagyei, **James Kwame Kusi**, Noah Kyame Asare-Donkor (2026). High-performance In2OS/BTe van der Waals heterojunction for efficient solar-to-hydrogen conversion. *Surfaces and Interfaces*. https://doi.org/10.1016/j.surfin.2026.110000
6. **J.K. Kusi**, G. Foli, M.Y. Peasah, O. Akoto (2025). Acid mine drainage and metal leaching potential of a waste rock dump. *International Journal of Mining and Mineral Engineering*. https://doi.org/10.1504/ijmme.2025.148701
7. **J.K. Kusi**, G. Foli, M.Y. Peasah, O. Akoto (2024). Geochemical characterization of waste rock dump and its potential to predict acid mine drainage. *Scientific African*. https://doi.org/10.1016/j.sciaf.2024.e02350
8. **James K. Kusi**, Samuel O Acquaah (2014). Levels of Benzoic Acid in Soft Drinks and Fruit Juices in Ghana. *IOSR Journal of Environmental Science Toxicology and Food Technology*. https://doi.org/10.9790/2402-081233639