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RESEARCH

Areas: Waste Management and Disposal · Water Science and Technology · Health, Toxicology and Mutagenesis · Mechanical Engineering · Environmental Engineering · Geochemistry and Petrology

RESEARCH SUMMARY

6	159	4	4	2.18	17%
Publications	Citations	h-index	i10-index	Field-weighted impact	World top 10%

Counted from the 6 publications listed below, 2020–2026. 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. 1 of the 6 papers scored for it are among the world's most cited tenth for their field, type and year.

PUBLICATIONS

Journal articles 6

1. **Lydia Otoo Amponsah**, David Nartey Obemah, Belinda Lee Quayson, Albert Banunle, Daniel Kwame Oware Asamoah, Mwema Felix Mwema (2026). On-farm wastewater treatment for irrigation using biochar from local agro-residues in Obuasi, Ghana. *PLOS Water*. https://doi.org/10.1371/journal.pwat.0000612
2. Augustine Owusu Sekyere, Helen Essandoh, David Dotse Wemegah, **Lydia Otoo Amponsah** (2023). Evaluating Groundwater Quality in the Asante Akyem Central District of Ghana. *Environmental Health Insights*. https://doi.org/10.1177/11786302231188270
3. Matt Dodd, **Lydia Otoo Amponsah**, Stephen Grundy, Godfred Darko (2023). Human health risk associated with metal exposure at Agbogbloshie e-waste site and the surrounding neighbourhood in Accra, Ghana. *Environmental Geochemistry and Health*. https://doi.org/10.1007/s10653-023-01503-0
4. **Lydia Otoo Amponsah**, Peter Borgen Sørensen, Marian Asantewah Nkansah, Katrin Vorkamp, Lily Lisa Yevugah, Godfred Darko (2022). Mercury contamination of two e-waste recycling sites in Ghana: an investigation into mercury pollution at Dagomba Line (Kumasi) and Agbogbloshie (Accra). *Environmental Geochemistry and Health*. https://doi.org/10.1007/s10653-022-01295-9
5. Godfred Darko, Seth Obiri-Yeboah, Stephen Appiah Takyi, Owusu Amponsah, Lawrence Sheringham Borquaye, **Lydia Otoo Amponsah**, Benedicta Y. Fosu-Mensah (2021). Urbanizing with or without nature: pollution effects of human activities on water quality of major rivers that drain the Kumasi Metropolis of Ghana. *Environmental Monitoring and Assessment*. https://doi.org/10.1007/s10661-021-09686-8
6. **Lydia Otoo Amponsah**, Matt Dodd, Godfred Darko (2020). Gastric bioaccessibility and human health risks associated with soil metal exposure via ingestion at an E-waste recycling site in Kumasi, Ghana. *Environmental Geochemistry and Health*. https://doi.org/10.1007/s10653-020-00760-7