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RESEARCH

Interests breast cancer genetic profiles and markers

Areas Epidemiology · Infectious Diseases · Oncology · Public Health, Environmental and Occupational Health · Surgery · Artificial Intelligence

RESEARCH SUMMARY

31

Publications

905

Citations

14

h-index

14

i10-index

0.82

Field-weighted
impact

6%

World top 10%

Counted from the 31 publications listed below, 1994–2026. Field-weighted impact is the mean over the 16 works scored for it; 1.00 is the world average for works of the same field, type and year. 1 of the 16 papers scored for it are among the world's most cited tenth for their field, type and year.

PUBLICATIONS

Journal articles 27

1. Muhi-deen Wonwana Mohammed, Yussif Owusu Aboagye, Akwasi Anyanful, Samuel Kyei, Kwame Kumi Asare (2026). Evidence Gaps and Global Patterns in Leishmaniasis Control: A Scoping Review of Clinical, Diagnostic, and Treatment Strategies. *Journal of Parasitology Research*. <https://doi.org/10.1155/japr/8882865>
2. Nicholas Ekow Thomford, Oksana Ryabinina, Joel Adu Twum, John Anyimadu, Samuel Badu Nyarko, Akwasi Anyanful, Martins Ekor, George Boateng Kyei (2025). Cohort profile: the pharmacogenomics and pharmacokinetics study in Ghanaian HIV patients (GenoPharm-GH). *BMC Genomic Data*. <https://doi.org/10.1186/s12863-025-01369-4>
3. Francis E. Agamah, Akwasi Anyanful, Oksana Ryabinina, Joel Twum, Mahadia Tunga, Michelle Skelton, Christian D. Bope, Emile R. Chimusa, Nicholas E. Thomford (2025). Enabling data-driven decision-making for innovative health care and delivery in Africa. *npj Health Systems*. <https://doi.org/10.1038/s44401-025-00047-y>
4. Samuel Kyei, George Panyin Annan, Kwame Kumi Asare, Emmanuel Birikorang, Akwasi Anyanful, Randy Asiamah (2024). Efficacy of common decontamination techniques used in eye care facilities in Ghana. *AJO International*. <https://doi.org/10.1016/j.ajoint.2024.100024>
5. Faustina Adu, Ebenezer Aniakwaa-Bonsu, Samuel Badu Nyarko, Aikins Sarpong Obeng, Richmond Owusu Ateko, Akwasi Anyanful, Nicholas Ekow Thomford (2024). Host cytokine genetic polymorphisms in a selected population of persons living with hepatitis B virus infection in the central region of Ghana. *BMC Gastroenterology*. <https://doi.org/10.1186/s12876-024-03456-9>
6. Nicholas Ekow Thomford, Faustina Adu, Cyril Gavor-Kwashi, Samuel Badu Nyarko, Paul Nsiah, Richard Dadzie Ephraim, George Adjei, Akwasi Anyanful (2023). An exploratory pharmacogenetic screening of SLC22A6, SLC22A8, ABCC4 and ABCC10 genes in a cohort of Ghanaian HBV patients. *Egyptian Journal of Medical Human Genetics*. <https://doi.org/10.1186/s43042-023-00428-8>
7. Nicholas Ekow Thomford, Akwasi Anyanful, Richmond Owusu Ateko, Dee Blackhurst, Robert Peter Biney, Dennis Boadi, Samuel Badu Nyarko, Martins Ekor, George Boateng Kyei (2023). Apolipoprotein E genetic variation, atherogenic index and cardiovascular disease risk assessment in an African population: An analysis of HIV and malaria patients in Ghana. *PLoS ONE*. <https://doi.org/10.1371/journal.pone.0284697>

8. Esther Sarpong, Desmond Omane Acheampong, George Nkansah Rost Fordjour, Akwasi Anyanful, Enoch Aninagyei, Derek A. Tuoyire, Dee Blackhurst, George Boateng Kyei, Martins Ekor, Nicholas Ekow Thomford (2022). Zero malaria: a mirage or reality for populations of sub-Saharan Africa in health transition. *Malaria Journal*. <https://doi.org/10.1186/s12936-022-04340-1>
9. Daniel Acquah, Francis T. Djankpa, Josephine Afful, Oscar A. Opoku, Akwasi Anyanful (2021). Assessment of lung function and pulmonary disorders among women involved in palm kernel oil processing in Cape Coast, Ghana. *International Journal of Community Medicine and Public Health*. <https://doi.org/10.18203/2394-6040.ijcmph20211207>
10. Nicholas Ekow Thomford, Robert Peter Biney, Emmanuel Okai, Akwasi Anyanful, Paul Nsiah, Prosperity G. Frimpong, Dominic O. Boakye, Charles A. Adongo, Paul Kruszka, Ambroise Wonkam (2020). Clinical Spectrum of congenital heart defects (CHD) detected at the child health Clinic in a Tertiary Health Facility in Ghana: a retrospective analysis. *Journal of Congenital Cardiology*. <https://doi.org/10.1186/s40949-020-00034-y>
11. Inusah D. Iddrisu, Akwasi Anyanful, Samuel V. Nuvor (2019). Incidence of adverse events after discharge from a secondary hospital in northern Ghana. *International Journal of Community Medicine and Public Health*. <https://doi.org/10.18203/2394-6040.ijcmph20192295>
12. Adamu Saanid, David Watmough, Samuel Debrah, Martin Morna, Akwasi Anyanful (2018). Breast-i Is an Effective and Reliable Adjunct Screening Tool for Detecting Early Tumour Related Angiogenesis of Breast Cancers in Low Resource Sub-Saharan Countries. *International Journal of Breast Cancer*. <https://doi.org/10.1155/2018/2539056>
13. F.N. Ghartey, D.J. Watmough, A. Anyanful, S. Debrah, M. Morna, S. Eliason, M. Adamu, L. Derkyi-Kwarteng (2016). A novel way to visualise tumour related angiogenesis and detect breast tumours in women: A combined clinical and optical method for breast cancer screening of well-women in Ghana. *Annals of Oncology*. <https://doi.org/10.1093/annonc/mdw385.11>
14. Frank Naku Ghartey Jnr, Akwasi Anyanful, Sebastian Eliason, Saanid Mohammed Adamu, Samuel Debrah (2016). Pattern of Breast Cancer Distribution in Ghana: A Survey to Enhance Early Detection, Diagnosis, and Treatment. *International Journal of Breast Cancer*. <https://doi.org/10.1155/2016/3645308>
15. Felix Yirdong, A Bockarie, A Anyanful (2014). HEPATITIS B VIRUS-KNOWLEDGE, ATTITUDE AND PRACTICES AMONG TAXI DRIVERS IN CAPE COAST METROPOLIS, GHANA. *prevalence*. <https://www.academia.edu/download/45266725/4.pdf>
16. Akwasi Anyanful (2013). A family of indoles regulate virulence and Shiga toxin production in pathogenic *E. coli*. *PLoS One*. <https://doi.org/10.1371/journal.pone.0054456>
17. Akwasi Anyanful (2011). CsrA and TnaB coregulate tryptophanase activity to promote exotoxin-induced killing of *Caenorhabditis elegans* by enteropathogenic *Escherichia coli*. *Journal of bacteriology*. <https://doi.org/10.1128/jb.05197-11>
18. Akwasi Anyanful (2009). CSN-5, a component of the COP9 signalosome complex, regulates the levels of UNC-96 and UNC-98, two components of M-lines in *Caenorhabditis elegans* muscle. *Molecular biology of the cell*. <https://doi.org/10.1091/mbc.e09-03-0208>
19. Akwasi Anyanful (2009). Conditioning protects *C. elegans* from lethal effects of enteropathogenic *E. coli* by activating genes that regulate lifespan and innate immunity. *Cell host & microbe*. [https://www.cell.com/cell-host-microbe/fulltext/S1931-3128\(09\)00140-1](https://www.cell.com/cell-host-microbe/fulltext/S1931-3128(09)00140-1)
20. Akwasi Anyanful (2008). Transcription factors GATA/ELT-2 and forkhead/HNF-3/PHA-4 regulate the tropomyosin gene expression in the pharynx and intestine of *Caenorhabditis elegans*. *Journal of molecular biology*. <https://www.sciencedirect.com/science/article/pii/S0022283607016063>
21. Akwasi Anyanful (2005). Paralysis and killing of *Caenorhabditis elegans* by enteropathogenic *Escherichia coli* requires the bacterial tryptophanase gene. *Molecular microbiology*. <https://doi.org/10.1111/j.1365-2958.2005.04739.x>
22. Akwasi Anyanful (2005). Tissue expression of four troponin I genes and their molecular interactions with two troponin C isoforms in *Caenorhabditis elegans*. *Genes to Cells*. <https://doi.org/10.1111/j.1365-2443.2005.00829.x>

23. Akwasi Anyanful (2004). The RNA-binding protein SUP-12 controls muscle-specific splicing of the ADF/cofilin pre-mRNA in *C. elegans*. *The Journal of cell biology*. <https://rupress.org/jcb/article-abstract/167/4/639/51412>
24. Akwasi Anyanful (2001). The third and fourth tropomyosin isoforms of *Caenorhabditis elegans* are expressed in the pharynx and intestines and are essential for development and morphology. *Journal of molecular biology*. <https://www.sciencedirect.com/science/article/pii/S0022283601950521>
25. Akwasi Anyanful (1998). Tissue Specific Expression of CeTMIV, the fourth isoform of the Tropomyosin Gene in *Caenorhabditis elegans*. *日本分子生物学会年会プログラム・講演要旨集*. <https://cir.nii.ac.jp/crid/1572824498916659968>
26. George E. Armah, Hiroki Hori, Akwasi Anyanful, Julius A. Addo, Joseph O. Commey, Hitoshi Kamiya, Francis K. Nkrumah (1995). Human rotavirus subgroups and severity of associated diarrhoea in Ghana. *PubMed*.
27. G. E. Armah, J. A. A. Mingle, A. K. Dodoo, A. Anyanful, R. Antwi, J. Commey, F. K. Nkrumah (1994). Seasonality of rotavirus infection in Ghana. *Annals of Tropical Paediatrics*. <https://doi.org/10.1080/02724936.1994.11747721>

Conference papers 2

1. Akwasi Anyanful (2025). Sick cell awareness and diagnosis in Ghana: Impact of the Okyenhene's medical caravan community initiative. *BRITISH JOURNAL OF HAEMATOLOGY*. <https://scholar.google.com/scholar?cluster=15943786851288784285&hl=en&oi=scholar>
2. Akwasi Anyanful (2007). GATA/ELT-2, CdxA homolog and fork head/HNF-3/PHA-4 transcription factors restrict the tropomyosin gene expressions in pharynx and gut of *Caenorhabditis elegans*. *GENES & GENETIC SYSTEMS*. <https://scholar.google.com/scholar?cluster=922262686221949352&hl=en&oi=scholar>

Theses 2

1. Akwasi Anyanful (2014). Development of Monocarbonyl Curcumin Analogues Towards Treating Tuberculosis and Cancer. *Emory University*. <https://search.proquest.com/openview/ebf17de2d447b616977c6c4e9681fe25/1?pq-origsite=gscholar&cbl=18750>
2. Akwasi Anyanful (2002). Tissue specific expression and developmental function of the *Caenorhabditis elegans* tropomyosin gene. *岡山大学*.