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RESEARCH

Areas: Epidemiology · Accounting · Artificial Intelligence · Clinical Psychology · Ecological Modeling · Electrical and Electronic Engineering

RESEARCH SUMMARY

9	210	2	2	3.10	11%
Publications	Citations	h-index	i10-index	Field-weighted impact	World top 10%

Counted from the 9 publications listed below, 2023–2026. Field-weighted impact is the mean over the 9 works scored for it; 1.00 is the world average for works of the same field, type and year. 1 of the 9 papers scored for it are among the world's most cited tenth for their field, type and year.

PUBLICATIONS

Journal articles 9

1. Javes Barimah Sarfo, Wilhemina Adoma Pels, **Emmanuel Odame Owiredu**, George Awiakye-Marfo (2026). A Comparative Analysis of Normality Tests for Time Series Data. *Model Assisted Statistics and Applications*. https://doi.org/10.1177/15741699261472413
2. Welson Bentum, **Emmanuel Odame Owiredu**, Nana Kena Frempong, Michael Asante Ofosu, Esther Boateng, Kwaku Obeng Owusu, Agyeman Shadrack, Elvis Anyimadu Asiedu, Sandra Addai-Henne, Wilhemina Adoma Pels, Harriet Achiaa Dwamena (2026). Beyond farm size: spatial determinants of cocoa productivity in Ashanti Region, Ghana. *Frontiers in Agronomy*. https://doi.org/10.3389/fagro.2026.1901636
3. Junias Adusei-Gyamfi, Afia Sarpong A. Gyebi, Owusu Abebrese, Gideon A. Appiah-Yeboah, Sampson Marfo, **Emmanuel O. Owiredu**, Azanu David, Seifu Tilahun (2026). Water Security in Developing Economies: Leveraging Citizen Science for Near-Real-Time Groundwater Assessment. *Water Resources Management*. https://doi.org/10.1007/s11269-026-04782-1
4. Lydia Boampong Owusu, Joseph Shahadu Issifu, Abrah Nana Yaa Effah, Dorcas Yeboah, Suzzie Ntiriwaa Agyemang, **Emmanuel Odame Owiredu**, Abdul-Fatawu Suglo Zakaria, Catherine Kroamah Dwumfour, Abigael Emikpe, Sandra Addai-Henne (2025). Body image: a cross-sectional study of the perception and practices of women after delivery. *BMC Pregnancy and Childbirth*. https://doi.org/10.1186/s12884-025-08112-y
5. Eric NY Nyarko, Ebenezer K Amakye, Emmanuel K Ofori, Michael Appiah, Manfred Anim, Nathaniel L Lartey, Samuel Ametepe, Evans A Adu, Justice Kumi, Derrick N. D. Dodoo, Monica Adom, **Emmanuel Owiredu**, Esther Kwafo, Christian Obirikorang (2025). Prevalence of Helicobacter pylori, Salmonella typhi, Plasmodium falciparum, and Toxoplasma gondii infections and levels of liver function markers among Hepatitis B Virus infected Ghanaians: A cross-sectional study in the Greater Accra Region. *PLOS Global Public Health*. https://doi.org/10.1371/journal.pgph.0005132
6. Christian Julien Isac Gnimadi, Kokoutse Gawou, Michael Aboah, **Emmanuel Odame Owiredu**, Junias Adusei-Gyamfi (2024). Assessing the Influence of Hand-Dug Well Features and Management on Water Quality. *Environmental Health Insights*. https://doi.org/10.1177/11786302241249844
7. Lydia Boampong Owusu, Joseph Shahadu Issifu, **Emmanuel Odame Owiredu**, Sandra Addai-Henne, Stella Kofie Aniewu, Joyce Boatemaa Manu, Perpetual Ntiamoah, Catherine Kroamah Dwumfour, Abigael

Emikpe, Abdul-Fatawu Suglo Zakaria (2024). Evaluating the Effectiveness of an Evidence-Based Practice in Neonatal Resuscitation among Birth Asphyxiated Newborns in a Developing Country. *SAGE Open Nursing*. https://doi.org/10.1177/23779608241302098

8. Jonathan Kwaku Afriyie, Kassim Tawiah, Wilhemina Adoma Pels, Sandra Addai-Henne, Harriet Achiaa Dwamena, **Emmanuel Odame Owiredu**, Samuel Amening Ayeh, John Eshun (2023). A supervised machine learning algorithm for detecting and predicting fraud in credit card transactions. *Decision Analytics Journal*. https://doi.org/10.1016/j.dajour.2023.100163

9. Atinuke O. Adebanji, Franz Aschl, Ednah Chepkemoi Chumo, **Emmanuel Odame Owiredu**, Johannes Müller, Tukae Mbegalo (2023). Social Response and Measles Dynamics. *Stats*. https://doi.org/10.3390/stats6040079