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RESEARCH

Interests	NLP · Sentiment Analysis · Machine learning · Educational Technologies
Areas	Artificial Intelligence · Computer Networks and Communications · Radiology, Nuclear Medicine and Imaging · Analytical Chemistry · Aquatic Science · Computational Theory and Mathematics

RESEARCH SUMMARY

12	30	3	1	0.57	11%
Publications	Citations	h-index	i10-index	Field-weighted impact	World top 10%

Counted from the 12 publications listed below, 2012–2026. 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 11

1. Augustina Dede Agor, Frank Kataka Banaseka, Prince Silas Kwesi Oberko, **Linda Amoako Banning**, Stephen Kofi Dotse, Emmanuel Junior Tapany (2026). A Systematic Review of Metaheuristic-Metaheuristic (MH-MH) Hybridizations for Optimization. *Journal of Computer Science*. https://doi.org/10.3844/jcssp.2026.660.678
2. Emmanuel Ahene, Richmond Owusu Agyei, Rose-Mary Owusuaa Mensah Gyening, Kwasi Adu Obirikorang, Kate Takyi, Kwabena Owusu-Agyemang, **Linda Amoako-Banning**, Joojo Walker (2026). A deep learning-based automated Solar-Powered Fish Monitoring System. *PLoS ONE*. https://doi.org/10.1371/journal.pone.0351628
3. James Tetteh Ami-Narh, Augustina Dede Agor, Hannah Ayaba Tanye, Mateko Okantey, **Linda Amoako Banning**, Prince Silas Kwesi Oberko (2026). MANET studies as experimental artifacts: a PRISMA-guided review of contemporary evaluation orientation, reporting completeness and reproducibility. *Future Technology*. https://doi.org/10.55670/fpll.futech.5.2.13
4. Frimpong Twum, Charlyne Carol Eyram Ahiable, Stephen Opoku Oppong, **Linda Banning**, Kwabena Owusu-Agyemang (2025). Employing transfer learning for breast cancer detection using deep learning models. *PLOS Digital Health*. https://doi.org/10.1371/journal.pdig.0000907
5. Augustina Dede Agor, James Tetteh Ami-Narh, **Dr. Linda Amoako Banning**, Selasie Aformaley Brown, Maud Adjeley Ashong Elliot, Hannah Ayaba Tanye (2025). Hybridizing Intelligent Water Drops and River Formation Dynamics for Optimal Routing Path Selection with Minimum Energy in MANETs. *Journal of Artificial Intelligence and Technology*. https://doi.org/10.37965/jait.2025.0575
6. Rose-Mary Owusuaa Mensah Gyening, Michael Appiah Akoto, Kwabena Owusu-Agyemang, **Linda Amoako-Banning**, Kate Takyi, Peter Appiahene (2025). MeatScan: An image dataset for machine learning-based classification of fresh and spoiled cow meat. *Data in Brief*. https://doi.org/10.1016/j.dib.2025.112045
7. Mohammed Iddrisu, Kate Takyi, Rose-Mary Owusuaa Mensah Gyening, Kwame Ofosuhene Peasah, **Linda Amoako Banning**, Kwabena Owusu-Agyemang (2024). An improved man-in-the-middle (MITM) attack detections using convolutional neural networks. *Multidisciplinary Science Journal*. https://doi.org/

10.31893/multiscience.2025129

8. Eshun Michael, Gyening Mensah Rose-Mary Owusuaa, Takyi Kate, Appiahene Peter, Peasah Ofosuhene Kwame, **Banning Amoako Linda** (2024). Sentiment analysis and classification of Ghanaian football tweets from the 2022 FIFA World Cup. *Indonesian Journal of Electrical Engineering and Computer Science*. https://doi.org/10.11591/ijeecs.v34.i1.pp497-507
9. **Linda Amoako Banning**, Asuamah Adade-Yeboah (2022). Using SentiWordNet and Sentiment Analysis for Evaluating Adverbs of Manner. *International Journal of Linguistics Literature & Translation*. https://doi.org/10.32996/ijllt.2022.5.1.5
10. **Linda Amoako Banning** (2013). The Imperative Information Security Management System Measures In the Public Sectors of Ghana. A Case Study of the Ghana Audit Service. *International Journal on Computer Science and Engineering (IJCSE)*. https://scholar.google.com/scholar?cluster=4768429577373160873&hl=en&oi=scholarr
11. **Linda Amoako Banning** (2012). A Strategic View on Rural Export-Led Projects. *International Journal of Business Management & Economic Research*. http://www.ijbmer.com/docs/volumes/vol3issue3/ijbmer2012030303.pdf

Conference papers 1

1. Abdulai Abdul-Malik Dason, Rose-Mary Owusuaa Mensah Gyening, Kate Takyi, **Linda Amoako Banning**, Eldad Antwi-Bekoe, Michael Eshun (2024). Pneumonia Detection on Chest X-ray Using Deep Convolutional Neural Networks. https://doi.org/10.1109/icecet61485.2024.10698157