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RESEARCH

Interests	Educational Technology · ICT Education
Areas	Education · Information Systems · Gender Studies · Information Systems and Management · Artificial Intelligence · Sociology and Political Science

RESEARCH SUMMARY

39	4,046	16	20	8.18	55%
Publications	Citations	h-index	i10-index	Field-weighted impact	World top 10%

Counted from the 39 publications listed below, 2002–2026. Field-weighted impact is the mean over the 29 works scored for it; 1.00 is the world average for works of the same field, type and year. 16 of the 29 papers scored for it are among the world's most cited tenth for their field, type and year.

PUBLICATIONS

Journal articles 32

1. Mathias Adawurah, **Charles Buabeng-Andoh**, Felix Buabeng-Andoh, Atamba Eric Akurubilla (2026). An enhanced multifactor decision making framework for equitable and efficient school placement in Ghana. *Discover Education*. https://doi.org/10.1007/s44217-026-01832-z
2. Felix Buabeng-Andoh, **Charles Buabeng-Andoh**, Drahomira Pavelkova (2025). Investigating critical success factors in driving artificial intelligence-based accounting system acceptance and firm performance among SME users in Ghana: Employing a modified information system success model. *Management & Marketing*. https://doi.org/10.2478/mmcks-2025-0017
3. Mathias Adawurah, **Charles Buabeng-Andoh** (2025). Navigating the nexus: unraveling the influence of changes in time, environmental patterns and psychosocial factors on students' use of ChatGPT in learning. *Education and Information Technologies*. https://doi.org/10.1007/s10639-025-13706-2
4. **Charles Buabeng-Andoh** (2024). Factors Affecting Learners' Application of Mobile Learning Technology: A Review of the Literature. *International Journal of Education and Development using Information and Communication Technology*. https://eric.ed.gov/?id=EJ1461877
5. **Charles Buabeng-Andoh** (2024). Understanding the perspectives of pre-service teachers on online learning system usage experiences during the COVID-19 pandemic. *International Journal of Education and Development using Information and Communication Technology*. https://eric.ed.gov/?id=EJ1461948
6. Delali Kwasi Dake, Esther Gyimah, **Charles Buabeng-Andoh** (2023). University Students Behaviour Modelling Using the K-Prototype Clustering Algorithm. *Mathematical Problems in Engineering*. https://doi.org/10.1155/2023/5507814
7. **Charles Buabeng-Andoh** (2022). Special Education Pre-Service Teachers' Acceptance of Assistive Technology. *International Journal of ICT Research in Africa and the Middle East*. https://doi.org/10.4018/ijictrame.304393
8. Delali Kwasi Dake, **Charles Buabeng-Andoh** (2022). Using Machine Learning Techniques to Predict Learner Drop-out Rate in Higher Educational Institutions. *Mobile Information Systems*. https://doi.org/10.1155/2022/2670562
9. **Charles Buabeng-Andoh** (2022). What critical factors forecast student-teachers utilization of online

learning system in the University of Education, Ghana during the Covid19 pandemic? *Education and Information Technologies*. https://doi.org/10.1007/s10639-022-11041-4

10. **Charles Buabeng-Andoh**, Charles Baah (2020). Determinants of Students' Actual use of the Learning Management System (LMS): An Empirical Analysis of a Research Model. *Advances in Science Technology and Engineering Systems Journal*. https://doi.org/10.25046/aj050277
11. **Charles Buabeng-Andoh** (2020). Exploring University students' intention to use mobile learning: A research model approach. *Education and Information Technologies*. https://doi.org/10.1007/s10639-020-10267-4
12. **Charles Buabeng-Andoh**, Charles Baah (2020). Pre-service teachers' intention to use learning management system: an integration of UTAUT and TAM. *Interactive Technology and Smart Education*. https://doi.org/10.1108/itse-02-2020-0028
13. **Charles Buabeng-Andoh** (2020). The Use of Smartphones for Educational Purposes in Higher Education: Nursing Students' Perspectives. *The International Journal of Interdisciplinary Educational Studies*. https://search.proquest.com/openview/ccf6f585e489137cb64e10429d1cdc33/1?pq-origsite=gscholar&cbl=5529411
14. **Charles Buabeng-Andoh** (2019). Factors that influence teachers' pedagogical use of ICT in secondary schools: A case of Ghana. *Contemporary educational technology*. https://dergipark.org.tr/en/pub/cet/article/590099?utm_source=chatgpt.com
15. **Charles Buabeng-Andoh** (2019). Students' attitudes toward mathematics in vocational education: From perspectives of a developing country. *International Journal of Scientific and Technology Research*. https://scholar.google.com/scholar?cluster=17753964809531100374&hl=en&oi=scholarr
16. Peace Kumah, Winfred Yaokumah, **Charles Buabeng-Andoh** (2018). Identifying HRM Practices for Improving Information Security Performance. *International Journal of Human Capital and Information Technology Professionals*. https://doi.org/10.4018/ijhcitp.2018100102
17. **Charles Buabeng-Andoh**, Winfred Yaokumah, Ali Tarhini (2018). Investigating students' intentions to use ICT: A comparison of theoretical models. *Education and Information Technologies*. https://doi.org/10.1007/s10639-018-9796-1
18. **Charles Buabeng-Andoh** (2018). New technology in health education. *Interactive Technology and Smart Education*. https://doi.org/10.1108/itse-09-2016-0039
19. **Charles Buabeng-Andoh** (2018). New technology in health education: Nursing students' application of mobile technology in the classroom in Ghana. *Interactive Technology and Smart Education*. https://www.emerald.com/itse/article/15/1/46/431217
20. **Charles Buabeng-Andoh** (2018). Predicting students' intention to adopt mobile learning. *Journal of Research in Innovative Teaching & Learning*. https://doi.org/10.1108/jrit-03-2017-0004
21. **Charles Buabeng-Andoh** (2017). An Investigation of Educational Use of Information and Communication Technology from the Perspectives of Ghanaian Students. *International Journal of Information and Communication Technology Education*. https://doi.org/10.4018/ijicte.2017070104
22. **Charles Buabeng-Andoh** (2015). ICT Implementation and Practices. *International Journal of Information and Communication Technology Education*. https://doi.org/10.4018/ijicte.2015040101
23. **Charles Buabeng-Andoh** (2015). ICT implementation and practices: factors influencing students' pedagogical use of ICT in Ghanaian secondary schools. *International Journal of Information and Communication Technology Education (IJICTE)*. https://www.igi-global.com/article/ict-implementation-andpractices/123345
24. **Charles Buabeng-Andoh** (2015). ICT usage in Ghanaian secondary schools: teachers' perspectives. *International Journal of Information and Learning Technology*. https://doi.org/10.1108/ijilt-09-2015-0022
25. **Charles Buabeng-Andoh**, Issifu Yidana (2015). Teachers' ICT Usage in Second-Cycle Institutions in Ghana: A Qualitative Study. *The International Journal of Education and Development using Information and Communication Technology (The University of the West Indies)*.
26. **Charles Buabeng-Andoh**, Issifu Yidana (2014). An investigation of secondary school students' attitudes

toward pedagogical use of ICT in learning in Ghana. *Interactive Technology and Smart Education*. https://doi.org/10.1108/itse-10-2013-0024

27. **Charles Buabeng-Andoh**, Issifu Yidana (2014). Expectancy-value Theory as a Framework for Investigating Secondary School Teachers' Attitudes towards the Transformative Use of ICT in Teaching in Ghana. *The International Journal of Interdisciplinary Educational Studies*. https://doi.org/10.18848/2327-011x/cgp/v08i01/53256
28. **Charles Buabeng-Andoh**, Fred Totimeh (2013). Teachers' implementation of computer technologies in classroom: A Ghanaian perspective.
29. **Charles Buabeng-Andoh** (2012). An Exploration of Teachers' Skills, Perceptions and Practices of ICT in Teaching and Learning in the Ghanaian Second-Cycle Schools. *Contemporary Educational Technology*. https://doi.org/10.30935/cedtech/6066
30. **Charles Buabeng-Andoh** (2012). Factors influencing teachers' adoption and integration of information and communication technology into teaching: A review of the literature. *The International Journal of Education and Development using Information and Communication Technology (The University of the West Indies)*.
31. **Charles Buabeng-Andoh** (2012). Factors influencing teachersâ adoption and integration of information and communication technology into teaching: A review of the literature. *International Journal of Education and Development using ICT*. https://www.learntechlib.org/p/188018/
32. **Charles Buabeng-Andoh** (2012). Teachers' innovative use of computer technologies in classroom: A case of selected Ghanaian schools. *International Journal of Education and Development using Information and Communication Technology*. https://eric.ed.gov/?id=EJ1084149

Book chapters 2

1. **Charles Buabeng-Andoh** (2025). Investigating student–teachers' continuous intention to use mobile learning management system: the technology acceptance model and expectation confirmatory model. *Discover Education*. https://doi.org/10.1007/s44217-025-00447-0
2. Peace Kumah, Winfred Yaokumah, **Charles Buabeng-Andoh** (2021). Identifying HRM Practices for Improving Information Security Performance. *IGI Global eBooks*. https://doi.org/10.4018/978-1-6684-3873-2.ch024

Conference papers 5

1. Felix Buabeng-Andoh, **Charles Buabeng-Andoh**, Drahomira Pavelkova (2025). Investigating Factors Influencing the Utilization of ChatGPT Among Students in Higher Accounting Education: Expanding the Technology Acceptance Model. *Proceedings of the International Conference on AI Research.*. https://doi.org/10.34190/icair.5.1.4385
2. **Charles Buabeng-Andoh**, Charles Baah (2019). Investigating the Actual usage of Learning Management System: From Perspectives of University Students. https://doi.org/10.1109/iccma.2019.00008
3. **Charles Buabeng-Andoh**, Yidana Issifu (2015). Implementation of ICT in Learning: A Study of Students in Ghanaian Secondary Schools. *Procedia - Social and Behavioral Sciences*. https://doi.org/10.1016/j.sbspro.2015.04.555
4. **Buabeng-Andoh Charles**, Yidana Issifu (2015). Innovation in Education: Students' Perceptions of Implementing ICT in Learning in Second-Cycle Institutions in Ghana. *Procedia - Social and Behavioral Sciences*. https://doi.org/10.1016/j.sbspro.2015.07.103
5. **Charles Buabeng-Andoh** (2002). Multimedia intelligent system for online learning. *International Conference on Computers in Education, 2002. Proceedings.*. https://ieeexplore.ieee.org/abstract/document/1185857/