Rosemary Twum

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RESEARCH

Interests	Educational technology · Mobile learning · ICT in education
Areas	Education · Information Systems · Artificial Intelligence · Computer Science Applications · Demography · Developmental and Educational Psychology

RESEARCH SUMMARY

16	99	4	4	1.56	43%
Publications	Citations	h-index	i10-index	Field-weighted impact	World top 10%

Counted from the 16 publications listed below, 2014–2026. Field-weighted impact is the mean over the 7 works scored for it; 1.00 is the world average for works of the same field, type and year. 3 of the 7 papers scored for it are among the world's most cited tenth for their field, type and year.

PUBLICATIONS

Journal articles 14

1. Christopher Yarkwah, **R Twum** (2024). Preservice mathematics teachers' perception and utilization of digital literacy at the University of Cape Coast, Ghana. *Faculty of Natural and Applied Sciences Journal of Mathematical and Statistical Computing*. https://www.fnasjournals.com/index.php/FNAS-JMSC/article/view/293
2. Christopher Yarkwah, **Rosemary Twum** (2023). Preservice mathematics teachers' motivation to study online amidst COVID-19. *Faculty of Natural and Applied Sciences Journal of Mathematics, and Science Education*. https://www.fnasjournals.com/index.php/FNAS-JMSE/article/view/239
3. Brandford Bervell, Irfan Naufal Umar, Moses Segbenya, Justice Kofi Armah, Beatrice Asante Somuah, **Rosemary Twum** (2022). Utilizing Learning Management System Technology: Modelling the Tripartite Relationships Among Previous Technology Use Experience, Technology Self-Efficacy, and Use Behavior. *Online Journal of Communication and Media Technologies*. https://doi.org/10.30935/ojcmt/12530
4. Brandford Bervell, M Segbenya, JK Armah, BA Somuah, **R Twum** (2022). Utilizing Learning Management System Technology: Modelling the Tripartite Relationships among Previous Technology Use Experience, Technology Self-Efficacy and Use Behaviour. *Online Journal of Communication and Media Technologies https://doi.org/10.30935/ojcmt/12530*. https://www.ojcmt.net/article/utilizing-learning-management-system-technology-modelling-the-tripartite-relationships-among-12530
5. William Nketsia, Maxwell P. Opoku, Ahmed H. Mohamed, Emmanuel O. Kumi, **Rosemary Twum**, Eunice A. Kyere (2021). Preservice Training Amid a Pandemic in Ghana: Predictors of Online Learning Success Among Teachers. *Frontiers in Education*. https://doi.org/10.3389/feduc.2021.745623
6. Ivy Kesewaa Nkrumah, **Rosemary Twum**, Christopher Yarkwah (2021). Utilisation of the Internet for Cyberloafing Activities among University Students. *Journal of Digital Educational Technology*. https://doi.org/10.21601/jdet/10912
7. Benjamin Eduafo Arthur, Christopher Yarkwah, **Rosemary Twum** (2020). Effectiveness of the Use of Whatsapp in the Learning of Mathematics among University Students. *The International Journal of Science & Technoledge*. https://doi.org/10.24940/theijst/2020/v8/i11/st2011-005
8. **Rosemary Twum**, Christopher Yarkwah, Benjamin Eduafo Arthur (2020). Factors that Influence Attitudes

of Computer Science Students towards Mathematics and Related Courses at the Tertiary Level of Education. *International Journal of Innovative Science and Research Technology (IJISRT)*. https://doi.org/10.38124/ijisrt20aug377

9. **R Twum** (2020). The use of mobile technology to enhance learning among University of Cape Coast health science education students. *International Journal of Innovative Science and Research Technology*. https://scholar.google.com/scholar?cluster=6487288329704144703&hl=en&oi=scholarr
10. **Rosemary Twum** (2020). UTILIZATION OF MOBILE APPLICATIONS TO ENHANCE TEACHING OF MATHEMATICS AND SCIENCE IN BASIC SCHOOLS IN THE CAPE COAST METROPOLIS. *British Journal of Education*. https://www.academia.edu/download/99201245/UTILIZ1.pdf
11. **Twum** (2020). Web based learning Modalities for Distance Learning Success: A comparison of 4 universities Authors. *Global Scientific Journals*.
12. **Rosemary Twum** (2017). Utilization of Smartphones in Science Teaching and Learning in Selected Universities in Ghana. *Journal of Education and Practice*. https://eric.ed.gov/?id=EJ1137622
13. **ROSEMARY Twum** (2014). Influence of mobile phone technologies on science students' academic performance in selected Ghanaian public universities. *An Unpublished PhD Thesis*. https://scholar.google.com/scholar?cluster=2718737507523338294&hl=en&oi=scholarr
14. **Rosemary Twum** (2014). Types of Mobile Phone Technologies Available to Science Students and Lecturers to Enhance Academic Performance in Selected Ghanaian Public Universities. *International journal of engineering research and technology*. https://www.academia.edu/download/79296762/types-of-mobile-phone-technologies-available-to-science-students-and-lecturers-to-enhance-academic-performance-in-selected-ghanaian-publ.pdf

Book chapters 1

1. Daniel Kweku Ainooson-Noonoo, **Rosemary Twum** (2026). Evaluation of Student Nurses' Use of Web Technologies for Research Purpose. *Lecture notes in educational technology*. https://doi.org/10.1007/978-981-95-9470-2_11

Conference papers 1

1. Edward Peter Greenwood White, Jussi Okkonen, Reeta Oksa, Benjamin Ghansah, Christopher Yarkwah, Ephrem Kwaa-Aidoo, Issifu Yidana, Wilson Osafo Apeanti, **Rosemary Twum** (2023). Approaches to leveraging digital higher education in Africa. *Proceedings of the 6th ACM SIGCAS/SIGCHI Conference on Computing and Sustainable Societies*. https://doi.org/10.1145/3588001.3609380