Prof. Victor Antwi

Department of Physics Education
University of Education, Winneba

ORCID 0000-0002-0521-7722 · Profile uew.peerford.com/staff/a51168ae-a1de-4a44-a4a9-a3a1740725c9

RESEARCH

Areas: Education · Developmental and Educational Psychology · Computer Science Applications · Atomic and Molecular Physics, and Optics · Cognitive Neuroscience · Computer Networks and Communications

RESEARCH SUMMARY

14	63	4	3	1.34	21%
Publications	Citations	h-index	i10-index	Field-weighted impact	World top 10%

Counted from the 14 publications listed below, 2017–2025. Field-weighted impact is the mean over the 14 works scored for it; 1.00 is the world average for works of the same field, type and year. 3 of the 14 papers scored for it are among the world's most cited tenth for their field, type and year.

PUBLICATIONS

Journal articles 13

1. Maxwell Obeng, **Victor Antwi**, Quashigah Johnray Ziadzi, Joash Kwasi Ataakorerkpa, Esther Dzigbogi, Emmanuel Adokoh (2025). Enhancing Conceptual Understanding of Moment of Forces through Video Simulations and Laboratory Experiments: A Study in a Ghanaian Senior High School. *Open Journal of Applied Sciences*. https://doi.org/10.4236/ojapps.2025.159172
2. Anthony Babategremine Yuoni, Issahaku Sontaa Jakalia, **Victor Antwi**, Isaac Kwesi Acquah, Cynthia Jebuni-Adanu (2025). Exploring the factors influencing undergraduate students' decision to pursue physics at the University of Education, Winneba. *Research in Science & Technological Education*. https://doi.org/10.1080/02635143.2025.2510404
3. Lieke Stoffelsma, **Victor Antwi**, Ruby Hanson (2024). Incidental Vocabulary Learning in a Postcolonial English Second Language Context. *Language Matters*. https://doi.org/10.1080/10228195.2024.2341010
4. **Victor Antwi**, Michael Gyan, Desmond Appiah, Isaac Kwesi Acquah, Fortune Addo Wuver, Cynthia Jebuni-Adanu (2024). Theoretical study of the strong piezo-phototronic effect in 2D monochalcogenides for multi-junction solar cells. *Physica Scripta*. https://doi.org/10.1088/1402-4896/ad7cdc
5. Thomas N. Tindan, Moses A. Abubakari, **Victor Antwi**, Philip Dorsah, Dennis Offei Kwakye (2023). Gender Perspective of Interpersonal Relationships in Pre-Tertiary Schools as a Teacher Motivator. *Mediterranean Journal of Social Sciences*. https://doi.org/10.36941/mjss-2023-0007
6. Fortune Addo-Wuver, **Victor Antwi**, Isaac Kwesi Acquah, Desmond Appiah, Michael Gyan, Cynthia Jebuni-Adanu, Peter Opoku (2023). IMPROVEMENT OF SENIOR HIGH STUDENTS' PERFORMANCE IN HEAT TRANSFER USING PRACTICAL ACTIVITIES IN EFFUTU MUNICIPAL, GHANA. *European Journal of Education Studies*. https://doi.org/10.46827/ejes.v10i9.4997
7. Cynthia Jebuni-Adanu, **Victor Antwi**, Isaac Kwesi Acquah, Desmond Appiah, Michael Gyan, Fortune Addo Wuver, Issahaku Sontaa Jakalia, Bernard Sarkyi (2023). Utilizing Physics Education Technology (PhET) for Improving Students' Understanding of Energy Conversion and Conservation in a Senior High Technical School. https://doi.org/10.7176/jep/14-8-06
8. Thomas N. Tindan, Moses A. Abukari, **Victor Antwi**, Philip Dorsah, Dennis Offei Kwakye (2022). Contribution of Intrinsic and Extrinsic Factors to Teacher Motivation. *International Education Studies and Sustainability*. https://doi.org/10.22158/iess.v2n2p19

9. **Victor Antwi**, Nelly Adjoa Sakyi-Hagan, Fortune Addo-Wuver, Bismark Asare (2021). Effect of Practical Work on Physics Learning Effectiveness: A Case of a Senior High School in Ghana. *EAST AFRICAN JOURNAL OF EDUCATION AND SOCIAL SCIENCES*. https://doi.org/10.46606/eajess2021v02i03.0102
10. Eric Appiah-Twumasi, **Victor Antwi**, Ishmael Kwesi Anderson, Nelly Sakyi-Hagan (2020). Comparative Effect of Cooperative Learning on Students' Performance in Mechanics Concepts: A Case of Two Secondary Schools in Berekum Municipality, Ghana. *EAST AFRICAN JOURNAL OF EDUCATION AND SOCIAL SCIENCES*. https://doi.org/10.46606/eajess2020v01i01.0015
11. **Victor Antwi**, Fortune Addo-Wuver, Nelly Adjoa Sakyi-Hagan (2020). How Do Our Students Understand Newton's Third Law of Motion? A Study in a Ghanaian University Context. *Science education international*.
12. Lieke Stoffelsma, Wilbert Spooren, Isaac N. Mwinlaaru, **Victor Antwi** (2020). The morphology-vocabulary-reading mechanism and its effect on students' academic achievement in an English L2 context. *Journal of English for Academic Purposes*. https://doi.org/10.1016/j.jeap.2020.100887
13. Hanson, Ruby, **Antwi, Victor**, Ayim, Gertrude (2017). The Potential of integrating ICT into the Teaching and Learning of Chemical Bonds in Senior High Schools in Ghana - A Case Study. *Zenodo (CERN European Organization for Nuclear Research)*. https://doi.org/10.5281/zenodo.21574798

Conference papers 1

1. **Victor Antwi**, Elwin Savelsbergh, Harrie Eijkelhof (2018). Understanding kinematics graphs using MBL tools, simulations and graph samples in an interactive engagement context in a Ghanaian university. *Journal of Physics Conference Series*. https://doi.org/10.1088/1742-6596/1076/1/012002