Prof. Mawuadem Koku Amedeker

Department of Physics Education
University of Education, Winneba

ORCID 0000-0001-8288-7909 · Profile uew.peerford.com/staff/baa71bc1-ccc2-4d24-89a6-14ca239c3a2d

RESEARCH

Areas: Education · Developmental and Educational Psychology · Nuclear and High Energy Physics · Literature and Literary Theory

RESEARCH SUMMARY

11	39	3	1	0.77	18%
Publications	Citations	h-index	i10-index	Field-weighted impact	World top 10%

Counted from the 11 publications listed below, 1998–2025. Field-weighted impact is the mean over the 11 works scored for it; 1.00 is the world average for works of the same field, type and year. 2 of the 11 papers scored for it are among the world's most cited tenth for their field, type and year.

POSITIONS

University of Education Winneba 2018–present
Winneba, Ghana

PUBLICATIONS

Journal articles 10

1. Philip Dorsah, **Mawuadem K. Amedeker**, Ernest I. Ngman-Wara (2025). Exploring the factor structure of the Epistemic Beliefs Inventory. *International Journal of Didactical Studies*. https://doi.org/10.33902/ijods.202533004
2. Iddrisu Mohammed, **Mawuadem Koku Amedeker**, Isaac Sonful Coffie (2025). Perceived Determinants of Academic Achievement in Integrated Science among Senior High School Students in Ghana. *International journal of research and scientific innovation*. https://doi.org/10.51244/ijrsi.2025.1210000190
3. **Mawuadem Koku Amedeker** (2023). Assessment Pedagogical Content Knowledge (APCK): A Model for Implementing Science Classroom Assessments. https://doi.org/10.7176/jep/14-6-03
4. Shine Apeadid, **Mawuadem Koku Amedeker** (2023). Enhancing Students' Academic Performance through Advance Organizers in a Cooperative Learning Classroom at a Senior High School in the Ashanti Region, Ghana. *EAST AFRICAN JOURNAL OF EDUCATION AND SOCIAL SCIENCES*. https://doi.org/10.46606/eajess2023v04i06.0333
5. **Mawuadem Koku Amedeker** (2018). Caring relationships in the environment of changing teacher professional development. *African Journal of Educational Studies in Mathematics and Sciences*.
6. **Mawuadem Koku Amedeker**, Li Qing-Feng (2005). On the Coupling of ϕ Meson to Nucleons and Backward ϕ Production. *Communications in Theoretical Physics*. https://doi.org/10.1088/0253-6102/43/3/023
7. **Mawuadem Koku Amedeker** (2005). Reforming Ghanaian teacher education towards preparing an effective pre-service teacher. *Journal of Education for Teaching International Research and Pedagogy*. https://doi.org/10.1080/02607470500127194
8. **Mawuadem Koku Amedeker**, Li Qing-Feng, Zou Bing-Song (2003). Vector Meson Couplings to Nucleons and Backward ρ and ω Production. *Communications in Theoretical Physics*. https://doi.org/10.1088/0253-6102/39/6/667

9. **M. K. Amedeker** (2000). Alternative assessment as an ingredient of continuous assessment in Junior Secondary Schools. *Journal of the Ghana Science Association*. https://doi.org/10.4314/jgsa.v2i1.17832

10. **M.K. Amedeker** (1998). The place of native language in Science teaching and learning in the Junior Secondary Schools in Ghana. *Journal of the Ghana Science Association*. https://doi.org/10.4314/jgsa.v1i1.17778

Conference papers 1

1. **Mawuadem Koku Amedeker** (2020). CHANGING EDUCATIONAL POLICIES: IMPLICATIONS FOR ICT INTEGRATION IN SCIENCE INSTRUCTION AND PERFORMANCE OF STUDENTS IN GHANAIAN SENIOR HIGH SCHOOLS. https://doi.org/10.33965/icedutech2020_202002l010