AERD DATABASE SYSTEM

Publications Report for: **Douglas Darko Agyei**

Report Date: November 04, 2026 **Total Publications:** 9

TITLE	YEAR	TYPE OF DOCUMENT	THEMATIC AREA	CITATION LINK
Teaching Mathematics with Digital Technologies: A Situational Analysis of High School Teachers' Experiences in Ghana	2024	Peer-Reviewed Articles	N/A	https://www.aerd.africa/paper/254
Transition from Knowledge of Algebra for Teaching (KAT) to Technological Knowledge of Algebra for Teaching (T-KAT)	2024	Peer-Reviewed Articles	N/A	https://www.aerd.africa/paper/271
Analyses of algebra knowledge and difficulties among Ghanaian Junior High School learners: Insights from standard-based mathematics curriculum implementation	2024	Peer-Reviewed Articles	N/A	https://www.aerd.africa/paper/1038
Effectiveness of problem-based learning strategy in improving teaching and learning of mathematics for pre-service teachers in Ghana	2023	Peer-Reviewed Articles	N/A	https://www.aerd.africa/paper/1640
Learning with mobile devices - insights from a university setting in Ghana	2023	Peer-Reviewed Articles	N/A	https://www.aerd.africa/paper/2233
Teaching knowledge and difficulties of In-field and Out-of-field Junior High School mathematics teachers in algebra	2023	Peer-Reviewed Articles	N/A	https://www.aerd.africa/paper/2424
In-service mathematics teachers' preparedness, knowledge, skills, and self-efficacy beliefs of using technology in lesson delivery	2022	Peer-Reviewed Articles	N/A	https://www.aerd.africa/paper/3186
Digitizing distance learning materials: Measuring students' readiness and intended challenges	2020	Peer-Reviewed Articles	N/A	https://www.aerd.africa/paper/4672
Integrating ICT into schools in Sub-Saharan Africa: from teachers' capacity building to classroom implementation	2020	Peer-Reviewed Articles	N/A	https://www.aerd.africa/paper/4846