Dr. Robert Benjamin Armah

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RESEARCH

Interests	Mathematics Education
Areas	Education · Experimental and Cognitive Psychology · Applied Mathematics · Developmental and Educational Psychology · Gender Studies · Information Systems

RESEARCH SUMMARY

15	236	5	4	4.52	44%
Publications	Citations	h-index	i10-index	Field-weighted impact	World top 10%

Counted from the 15 publications listed below, 2015–2026. Field-weighted impact is the mean over the 9 works scored for it; 1.00 is the world average for works of the same field, type and year. 4 of the 9 papers scored for it are among the world's most cited tenth for their field, type and year.

POSITIONS

Senior Lecturer
Department of Mathematics Education, University of Education, Winneba, Winneba, Ghana

PUBLICATIONS

Journal articles 14

1. **Robert Benjamin Armah** (2026). Metacognitive Regulation in Probability and Statistics Problem-Solving: A Phenomenological Study of Distance Mathematics Education Students. *International journal of research and scientific innovation*. https://doi.org/10.51244/ijrsi.2026.1306000073
2. Prince Hamid Armah, Dennis Osei Yeboah, Matilda Sarpong Adusei, **Robert Benjamin Armah** (2026). Teachers' Sensemaking, Agency and the Implementation of Core Competencies: Lessons from Ghana's Competency-based Mathematics Curriculum Reform. *International Journal of Learning Teaching and Educational Research*. https://doi.org/10.26803/ijlter.25.1.30
3. Prince Hamid Armah, Matilda Sarpong Adusei, **Robert Benjamin Armah**, Dennis Osei Yeboah (2025). Mathematics Achievement in Underserved Secondary Schools: Interplay of Teacher Characteristics, School Conditions and Student Attributes. *African Journal of Educational Studies in Mathematics and Sciences*. https://doi.org/10.4314/ajesms.v21i1.7
4. **Robert Armah** (2024). Geometric Thinking of Prospective Mathematics Teachers: Assessing the Foundation Built by University Undergraduate Education in Ghana. *Teacher Education and Curriculum Studies*. https://doi.org/10.11648/j.tecs.20240902.12
5. Edmund Anamboi Aduko, **Robert Benjamin Armah** (2022). Adapting Bruner's 3-Tier Theory to Improve Teacher Trainees' Conceptual Knowledge for Teaching Integers at the Basic School. *European Journal of Mathematics and Science Education*. https://doi.org/10.12973/ejmse.3.2.61
6. **Robert Benjamin Armah** (2022). High School Mathematics Teachers' Knowledge About Stem Education: The Ordinal Logistic Regression Model. *International Journal of Research and Innovation in Social Science*.
7. **RB Armah** (2022). Pass or Failure of Students in The "WASSCE" Mathematics Mock Examination: The Binary Logistic Regression Model. *International Journal of Education*. http://www.udsspace.uds.edu.gh/handle/123456789/4048

8. Justice Yawson Mensah, Stephen Ebo Sam, **Robert Benjamin Armah** (2022). The Use of PowerPoint Presentation in Mathematics Education: A Comparative Study of Endowed and Less Endowed Schools in Ghana. *International Journal of Scientific and Management Research*. https://doi.org/10.37502/ijsmr.2022.5814
9. **RB Armah** (2022). The multinomial logistic regression model's utility to assess parameters in predicting junior high school students' preference for selected mathematics topics. *Educ Inf Technol*. https://scholar.google.com/scholar?cluster=10275663313156668158&hl=en&oi=scholarr
10. Peter Akayuure, Samuel Ebenezer Armah, **Robert Benjamin Armah** (2020). A Comparative Study of Male and Female Distance Learners' Mathematics Achievement. *Contemporary Mathematics and Science Education*. https://doi.org/10.30935/conmaths/9288
11. **Robert Benjamin Armah**, Philip Siaw Kissi (2019). Use of the van Hiele Theory in Investigating Teaching Strategies used by College of Education Geometry Tutors. *Eurasia Journal of Mathematics Science and Technology Education*. https://doi.org/10.29333/ejmste/103562
12. **Robert Benjamin Armah** (2018). Investigating the Effect of van Hiele Phase-Based Instruction on Pre-Service Teachers' Geometric Thinking. *International journal of Research in Education and Science*. https://eric.ed.gov/?id=EJ1169856
13. Philip Siaw Kissi, Muesser Nat, **Robert Benjamin Armah** (2018). The effects of learning–family conflict, perceived control over time and task-fit technology factors on urban–rural high school students' acceptance of video-based instruction in flipped learning approach. *Educational Technology Research and Development*. https://doi.org/10.1007/s11423-018-9623-9
14. **RB Armah** (2017). The Geometric Thinking Levels of Pre-service Teachers in Ghana. *Higher Education Research*.

Theses 1

1. **ROBERT BENJAMIN Armah** (2015). The effect of VHPI on pre-service teachers' geometric thinking and motivation to learn geometry. *University of Education Winneba*. https://ir.uew.edu.gh/handle/123456789/1422