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RESEARCH

Areas: Education · Developmental and Educational Psychology · Applied Mathematics · Experimental and Cognitive Psychology · Statistics and Probability · Health Informatics

RESEARCH SUMMARY

13	18	2	1	0.13	0%
Publications	Citations	h-index	i10-index	Field-weighted impact	World top 10%

Counted from the 13 publications listed below, 2020–2026. 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. 0 of the 9 papers scored for it are among the world's most cited tenth for their field, type and year.

PUBLICATIONS

Journal articles 13

1. Philip Adjei Acheampong, **Matilda Sarpong Adusei**, Leticia Nana Sam (2026). Enhancing mathematics teachers' contextualization of mathematics content in welding and fabrication courses using ChatGPT and Meta AI. *Discover Education*. https://doi.org/10.1007/s44217-026-02067-8
2. **Matilda Sarpong Adusei** (2026). Examining Gender Differences in Pre-Service- Teachers' Values in the Learning and Teaching of Mathematics. *African Journal of Educational Studies in Mathematics and Sciences*. https://www.ajol.info/index.php/ajesms/article/view/333372
3. **Matilda Sarpong Adusei** (2026). Extended theory of planned behavior: a contextual framework for school mathematics reform. *Int J Eval & Res Educ*.
4. 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
5. 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
6. Ebenezer Agbo, Damian Kofi MEREKU, **Matilda Sarpong Adusei**, Henry Kpai (2025). Raising Students' Fluency in Determining Means and Medians using Mental Mathematics Games with Consecutive Numbers' Datasets. *African Journal of Educational Studies in Mathematics and Sciences*. https://doi.org/10.4314/ajesms.v20i2.8
7. Emmanuel Odoom, Damian Kofi Mereku, **Matilda Sarpong Adusei** (2024). Effect of Problem-based Learning on High School Students' Performance in Solving Simultaneous Linear Equation Word Problems. *African Journal of Educational Studies in Mathematics and Sciences*. https://doi.org/10.4314/ajesms.v20i1.5
8. Aminatu Ibrahim, **Matilda Sarpong Adusei**, Damian Kofi Mereku (2023). Access, successful completion and learning achievement of female undergraduate students studying mathematics at the University of Education, Winneba. *African Journal of Educational Studies in Mathematics and Sciences*. https://doi.org/10.4314/ajesms.v18i2.5

9. **Matilda Sarpong Adusei** (2023). Effectiveness of the "Think - Pair - Share" Cooperative Learning Approach in the Teaching of Mensuration to Senior High School Students. *Journal of Global Research in Education and Social Science*. https://www.researchgate.net/profile/Abdulmalik-Abubakari/publication/381520689_The_Effectiveness_of_the_Think-Pair-Share_Cooperative_Learning_Approach_in_the_Teaching_of_Mensuration_to_Senior_High_School_Students/links/667298a285a4ee7261d137bb/The-Effectiveness-of-the-Think-Pair-Share-Cooperative-Learning-Approach-in-the-Teaching-of-Mensuration-to-Senior-High-School-Students.pdf

10. Abdulmalik Abubakari, Michael J. Nabie, **Matilda S. Adusei**, Mohammed B. Zuberu (2023). The Effectiveness of the “Think-Pair-Share” Cooperative Learning Approach in the Teaching of Mensuration to Senior High School Students. *Journal of Global Research in Education and Social Science*. https://doi.org/10.56557/jogress/2023/v17i58432

11. Charles Kojo Assuah, Thomas Mensah–Wonkyi, **Matilda Sarpong Adusei**, Grace Abedu, Stephen Ghunney (2022). Enhancing Undergraduate Mathematics Students’ Conceptual Knowledge of the Confidence Interval for the Population Mean. *British Journal of Education*. https://doi.org/10.37745/bje.2013/vo10.n8pp117

12. Charles Kojo Assuah, Thomas Mensah–Wonkyi, **Matilda Sarpong Adusei**, Stephen Ghunney (2022). Walking Mathematics Students through the Maze of Chi-square Test of Independence and Homogeneity, Test Involving Several Proportions, and Goodness-of-fit Test. *Asian Journal of Probability and Statistics*. https://doi.org/10.9734/ajpas/2022/v18i430454

13. **Matilda Sarpong Adusei** (2020). Junior high school mathematics teachers’ knowledge in calculators. *JRAMathEdu (Journal of Research and Advances in Mathematics Education)*. http://journals2.ums.ac.id/jramathedu/article/view/9282