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RESEARCH

Areas: Education · Applied Mathematics · Developmental and Educational Psychology · Statistics and Probability · Information Systems · Experimental and Cognitive Psychology

RESEARCH SUMMARY

27	92	5	4	0.54	8%
Publications	Citations	h-index	i10-index	Field-weighted impact	World top 10%

Counted from the 27 publications listed below, 2015–2026. Field-weighted impact is the mean over the 26 works scored for it; 1.00 is the world average for works of the same field, type and year. 2 of the 26 papers scored for it are among the world's most cited tenth for their field, type and year.

PUBLICATIONS

Journal articles 26

1. Evans Atteh, Christopher Adjei Okpoti, **Charles Kojo Assuah** (2026). Assessing Assessment: Analyzing Classroom Assessment Practices of Mathematics Teacher Educators. *Asian Research Journal of Mathematics*. https://doi.org/10.9734/arjom/2026/v22i61102
2. Evans Atteh, Christopher Adjei Okpoti, **Charles Kojo Assuah** (2026). The Context of Assessment: A Systematic Literature Review of Classroom Assessment Practices in Teaching and Learning Mathematics. *Asian Journal of Education and Social Studies*. https://doi.org/10.9734/ajess/2026/v52i63122
3. Solomon Boachie, Francis Quansah, Emma Awuku, **Charles K. Assuah** (2024). Assessing Pre-Service Teachers' Competencies in Teaching Basic School Science Curriculum: A Case Study. *European Journal of Educational Sciences*. https://doi.org/10.19044/ejes.v11no1a1
4. Isaac Pinamang, Thomas Mensah-Wonkyi, **Charles Kojo Assuah** (2023). Pre-Service Teachers' Perceptions of the Effectiveness of their Mathematics Tutors' Classroom Learning Environment Management Practices. *African Journal of Educational Studies in Mathematics and Sciences*. https://doi.org/10.4314/ajesms.v19i2.5
5. Nicholas Mawufemor Kojo Goka, **Charles Kojo Assuah**, Christopher Owu-Annan (2023). Senior High School Mathematics Teachers' Continuous Professional Development: Evidence from Keta Municipality in Ghana. *International Journal of Secondary Education*. https://doi.org/10.11648/j.ijsedu.20231102.12
6. Christopher Owu-Annan, **Charles Kojo Assuah** (2023). The Relationship Between Female Students' Attitude and Their Mathematics Achievement. *International Journal of Secondary Education*. https://doi.org/10.11648/j.ijsedu.20231101.14
7. Collins Dauda Amadu, Karim Alhassan Ali, Joseph Dominic Andoh-Kesson, Anankabiik Joseph Awonbiik, **Charles Kojo Assuah** (2023). Tutors' Perspectives of Factors Affecting the Implementation of the Four-Year Bachelor of Education Science Curriculum in the Colleges of Education in Ghana. *International Journal of Innovative Research and Development*. https://doi.org/10.24940/ijird/2023/v12/i8/aug23015
8. **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
9. **Charles Kojo Assuah**, Louis Osei, Gershon Kwame Mantey (2022). The Effect of Inquiry-based Learning

on Senior High School Students' Achievement in Plane Geometry: Pre-test-Post-test Randomized Experimental Design. *Asian Research Journal of Mathematics*. https://doi.org/10.9734/arjom/2022/v18i11604

10. **Charles Kojo Assuah**, Gershon Kwame Mantey, Louis Osei (2022). The Effect of Think-pair-share Learning on Junior High School Students' Achievement in Algebraic Expressions: Pre-test-Post-test Non-equivalent Control Group Design. *Asian Journal of Probability and Statistics*. https://doi.org/10.9734/ajpas/2022/v20i2418
11. **Charles Kojo Assuah**, Louis Oseia, Gershon Kwame Manteya (2022). University Mathematics Major Students' Ratings of Their Lecturers' Preferred Teaching Methods: A Repeated-Measures Design. *British Journal of Education*. https://doi.org/10.37745/bje.2013/vol10n153745
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. **Charles Assuah** (2021). DEVELOPING UNDERGRADUATE MATHEMATICS STUDENTS' CONCEPTUAL KNOWLEDGE ABOUT THE SAMPLING DISTRIBUTION OF THE SAMPLE MEAN AND CENTRAL LIMIT THEOREM. *International Education and Research Journal*.
14. **Charles Assuah** (2019). PRE-SERVICE MATHEMATICS TEACHERS' KNOWLEDGE ABOUT FORMS OF REPRESENTING THE DISPERSION OF A DATA SET. *International Education and Research Journal*.
15. **Charles K. Assuah** (2019). Using a Latin Square Design to Determine the Most Effective Mathematics Teaching Method. *International Journal of New Technology and Research*. https://doi.org/10.31871/ijntr.5.7.14
16. Abraham Ayebo, **Charles Assuah** (2017). EXPLORING TEACHERS' KNOWLEDGE OF CLASSROOM MANAGEMENT AND CONTROL. *Malaysian Journal of Learning and Instruction*. https://doi.org/10.32890/mjli2017.14.1.7
17. Yarhands Arthur, Samuel Asiedu-Addo, **Charles Assuah** (2017). Effect of Instructor Quality and Availability on Ghanaian Students' Interest in Mathematics Using Regression and Principal Component Analysis. *Advances in Research*. https://doi.org/10.9734/air/2017/34570
18. Elizabeth Adu, Damian Kofi Mereku, **Charles Assuah**, Chriss A. Okpoti (2017). Effect of multimedia courseware with cooperative learning on senior high school students' proficiency in solving linear equation word problems. *African Journal of Educational Studies in Mathematics and Sciences*.
19. Yarhands Arthur, Samuel Asiedu–Addo, **Charles Assuah** (2017). Students' Mathematics Interest Development in Ghana- the Role of Parental Involvement and Agents of Student Motivation. *Current Journal of Applied Science and Technology*. https://doi.org/10.9734/cjast/2017/34571
20. Yarhands Arthur, Samuel Asiedu-Addo, **Charles Assuah** (2017). Students' Perception and Its Impact on Ghanaian Students' Interest in Mathematics: Multivariate Statistical Analytical Approach. *Asian Research Journal of Mathematics*. https://doi.org/10.9734/arjom/2017/33023
21. Yarhands Arthur, Samuel Asiedu-Addo, **Charles Assuah** (2017). Teacher-Student Variables as Predictor of Students' Interest in Mathematics: The Use of Stepwise Multiple Linear Regression Analysis. *Asian Research Journal of Mathematics*. https://doi.org/10.9734/arjom/2017/33544
22. Samuel Asiedu-Addo, **Charles K. Assuah**, Yarhands Dissou Arthur (2017). Triangular law of students' Mathematics Interest in Ghana: A Model with motivation and perception as predictor. *International Electronic Journal of Mathematics Education*. https://doi.org/10.29333/iejme/630
23. Samuel Asiedu-Addo, **Charles Assuah**, Yarhands Arthur (2016). Compulsion in Studying Mathematics and Career Influence by Mathematics on Student Interest in Mathematics. *Asian Research Journal of Arts & Social Sciences*. https://doi.org/10.9734/arjass/2016/27543
24. **Charles Assuah**, Wasila Yakubu, Yarhands Dissou Arthur, Samuel Asiedu–Addo (2016). Primary school mathematics teachers' ideas, beliefs, and practices of constructivist instructional strategies. *African Journal of Educational Studies in Mathematics and Sciences*.
25. **Charles Assuah**, Abraham Ayebo (2015). Lecturers' Views on Ghana's Undergraduate Mathematics

Education. *International Journal of Education in Mathematics Science and Technology*. https://doi.org/10.18404/ijemst.17155

26. Elizabeth Adu, **Charles Assuah**, Samuel Asiedu–Addo (2015). Students' errors in solving linear equation word problems: Case study of a Ghanaian senior high school. *African Journal of Educational Studies in Mathematics and Sciences*.

Conference papers 1

1. Samuel A. Atarah, Abeeku Edu, Acheampong Owusu, Emmanuel Awuni Kolog, Victoria D. Oklu, Richard O. Agjei, Bright Ankudze, Ruby Hanson, **Charles K. Assuah**, Elock Emvula Shikalepo, Silohenda Hileni Amuthenu, Timoteus Ashipala Sheepo, Sioni Iikela, Alpha Ndeunyema, Tomas Shivolo, Natasa Urbancikova, Oto Hudec, Altti Lagstedt, Siirilä Jani (2026). Exploring the Knowledge-Base and Institutional Integration of the Twin Transition in Higher Education: A Sub-Saharan African Perspective. https://doi.org/10.67725/ist-africa.2026.woay6425