Christopher Beccles

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RESEARCH

Interests	Teacher Education · Methods of Teaching Science · Lesson Study · Classroom interactions · Learning
Areas	Education · Applied Mathematics · Demography · Developmental and Educational Psychology · Safety Research

RESEARCH SUMMARY

13	72	6	2	2.89	33%
Publications	Citations	h-index	i10-index	Field-weighted impact	World top 10%

Counted from the 13 publications listed below, 2009–2024. Field-weighted impact is the mean over the 6 works scored for it; 1.00 is the world average for works of the same field, type and year. 2 of the 6 papers scored for it are among the world's most cited tenth for their field, type and year.

PUBLICATIONS

Journal articles 12

1. Dewi Ria Retnani, Rina Royani, **Christopher Beccles**, Abderrachid Afras (2024). Improving Science Learning Outcomes on Light and Optical Instruments Through Visual Methods in Junior High Schools. *Schrödinger Journal of Physics Education*. https://doi.org/10.37251/sjpe.v5i1.883
2. Perpetual Coker Appiah, **Christopher Beccles** (2022). ANALYSIS OF THE FACTORS AFFECTING LOW PERFORMANCE OF SENIOR HIGH SCHOOL STUDENTS IN INTEGRATED SCIENCE. *European Journal of Education Studies*. https://doi.org/10.46827/ejes.v9i10.4492
3. Ernest Kofi Davis, Forster D. Ntow, **Christopher Beccles** (2022). Factors Influencing Ghanaian Public Junior High School Students' Performance in English Language, Mathematics and Science and its Implications on the National Policy on Progression. *SAGE Open*. https://doi.org/10.1177/21582440221123912
4. Ernest Kofi Davis, Mark Owusu Amponsah, Christopher Yaw Kwaah, **Christopher Beccles** (2019). Alignment of the planned and implemented curricula in Junior High School English Language, Mathematics and Science in three Districts in Ghana. *The Oguaa Educator*. https://doi.org/10.47963/toe.v13i.294
5. Christopher Yarkwah, CY Kwaah, **C Beccles**, Kofi Ayebi-Arthur (2019). Motivation to become a teacher among preservice teachers in colleges of education in Ghana. *Bangladesh Education Journal*. https://www.researchgate.net/profile/Ernest-Davis/publication/344035050_Motivation_to_Become_a_Teacher_among_Preservice_Teachers_in_Colleges_of_Education_in_Ghana/links/5f4e8341a6fdcc9879c0045f/Motivation-to-Become-a-Teacher-among-Preservice-Teachers-in-Colleges-of-Education-in-Ghana.pdf
6. Ernest Kofi Davis, **Christopher Beccles**, Etheldreda Intsiful (2019). Primary and junior high school mathematics and science teachers' views on teaching in the Cape Coast Metropolis of Ghana. *African Journal of Educational Studies in Mathematics and Sciences*. https://doi.org/10.4314/ajesms.v15i2.2
7. Kwaku Darko Amponsah, Jonas Kwadzo Kotoka, **Christopher Beccles**, Sipho Nhlanhla Dlamini (2018). Effectiveness of Collaboration on Low and High Achieving School Students' Comprehension of Electrochemistry in South Africa. *European Journal of STEM Education*. https://doi.org/10.20897/ejsteme/2685

8. **C Beccles**, Christopher Yaw Kwaah, DC Otami (2016). Teacher Response Model for the Management of Student Answers. *International Journal of Education, Learning and Development*. https://scholar.google.com/scholar?cluster=2997570256401947103&hl=en&oi=scholarr
9. **Christopher Beccles** (2012). 12C-201 Intentions of Science Teachers to use Questions in Junior High Schools in Ghana. *日本理科教育学会全国大会発表論文集*. https://cir.nii.ac.jp/crid/2051714791872860544
10. **Christopher BECCLES** (2011). Science Teachers' and Students' Dialogue in Junior High School Classes in Ghana: A Focus on Teacher Responses to Students' Incorrect Answers. *Journal of Science Education in Japan*. https://www.jstage.jst.go.jp/article/jssej/35/3/35_KJ00007562724/_article/-char/ja/
11. **Christopher Beccles** (2010). Comparison of Science Teachers in Selected Basic Schools in Ghana with Reported Data from Five Devcloped Countries in TIMSS 1999 Video Study. *国際協力研究誌*. https://hiroshima.repo.nii.ac.jp/records/2021911
12. **C Beccles**, K. Ayebi-Arthur (2009). Improving the quality of science instruction in primary schools in Cape Coast. *Journal of Science and Mathematics Education*. https://scholar.google.com/scholar?cluster=16397120736910869899&hl=en&oi=scholarr

Theses 1

1. **Christopher Beccles** (2012). Science Teaching, Classroom Discussion and Contexts in Junior High Schools in Ghana. *Hiroshima University*. https://www.academia.edu/download/72586378/diss_ko5704.pdf