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RESEARCH

Interests	Food Security · Environmental Quality · Energy Economics · Institutional Quality
Areas	Economics and Econometrics · Ecology, Evolution, Behavior and Systematics · Information Systems · Soil Science · Pollution · Renewable Energy, Sustainability and the Environment

RESEARCH SUMMARY

37	2,708	21	24	15.05	61%
Publications	Citations	h-index	i10-index	Field-weighted impact	World top 10%

Counted from the 37 publications listed below, 2015–2026. Field-weighted impact is the mean over the 23 works scored for it; 1.00 is the world average for works of the same field, type and year. 14 of the 23 papers scored for it are among the world's most cited tenth for their field, type and year.

POSITIONS

Kwame Nkrumah University of Science and Technology 2022–present
Economics, Kumasi, Ghana

PUBLICATIONS

Journal articles 34

1. Robert Becker Pickson, Chenchen Zhao, Yaodan Hu, **Elliot Boateng** (2026). Apple production under changing climate conditions in major producing countries. *Scientific Reports*. https://doi.org/10.1038/s41598-026-54941-y
2. Robert Becker Pickson, Chenchen Zhao, Lirong Jian, **Elliot Boateng** (2026). From climatic stress to sectoral resilience in Côte D'ivoire: The role of foreign aid in cocoa production under climate change. *New Medit*. https://doi.org/10.30682/nm2602b
3. Michael Ziekye, Raphael Edem Ayibor, Prince Boakye Frimpong, **Elliot Boateng**, Paul Owusu Takyi (2026). Preferences and willingness to pay for toilet facilities within Jirapa municipality: A choice experiment approach. *Development Southern Africa*. https://doi.org/10.1080/0376835x.2026.2673319
4. Robert Becker Pickson, Xiaojue Li, **Elliot Boateng**, Joseph Kwadwo Tuffour (2026). Towards Net-Zero emissions in Asia: The roles of agriculture and renewable energy. *Gondwana Research*. https://doi.org/10.1016/j.gr.2026.02.020
5. Robert Becker Pickson, **Elliot Boateng**, Peng Gui, Joseph Kwadwo Tuffour (2025). Achieving Zero Hunger in Nepal: The Role of Foreign Aid in Agriculture. *Sustainable Development*. https://doi.org/10.1002/sd.3421
6. **Elliot Boateng**, Janet Dzator, Mary Amponsah, Michael Dzator (2025). Addressing Food Security in Sub-Saharan African Region: The Role of Financial Sector Development and Informality. *Growth and Change*. https://doi.org/10.1111/grow.70047
7. Michael Kwowove Didongo, Daniel Sakyi, **Elliot Boateng**, Enock Kojo Ayesu, Donatus Kuuzume (2025). Effect of institutional quality on intra-African agricultural trade. *International Economics and Economic*

Policy. https://doi.org/10.1007/s10368-025-00686-4

8. Robert Becker Pickson, Peng Gui, Lirong Jian, **Elliot Boateng** (2024). Do population-related factors matter for carbon emissions? Lessons from different income groups of countries. *Urban Climate*. https://doi.org/10.1016/j.uclim.2024.101934
9. **Elliot Boateng**, Collins Baah Annor, Mary Amponsah, Raphael Edem Ayibor (2024). Does FDI mitigate CO2 emissions intensity? Not when institutional quality is weak. *Journal of Environmental Management*. https://doi.org/10.1016/j.jenvman.2024.120386
10. Robert Becker Pickson, Peng Gui, Lirong Jian, **Elliot Boateng** (2024). The role of private sector investment in agriculture: A catalyst for sustainable development in Asia. *Sustainable Development*. https://doi.org/10.1002/sd.3105
11. Robert Becker Pickson, Peng Gui, Ai Chen, **Elliot Boateng** (2023). Climate change and food security nexus in Asia: A regional comparison. *Ecological Informatics*. https://doi.org/10.1016/j.ecoinf.2023.102038
12. Alex O. Acheampong, **Elliot Boateng**, Collins Baah Annor (2023). Do corruption, income inequality and redistribution hasten transition towards (non)renewable energy economy? *Structural Change and Economic Dynamics*. https://doi.org/10.1016/j.strueco.2023.11.006
13. Samuel Tawiah Baidoo, Bright Tetteh, **Elliot Boateng**, Raphael Edem Ayibor (2023). Estimating the impact of economic globalization on economic growth of Ghana: Wavelet coherence and ARDL analysis. *Research in Globalization*. https://doi.org/10.1016/j.resglo.2023.100183
14. Robert Becker Pickson, Peng Gui, Ai Chen, **Elliot Boateng** (2023). Examining the impacts of climate change and political instability on rice production: empirical evidence from Nigeria. *Environmental Science and Pollution Research*. https://doi.org/10.1007/s11356-023-26859-9
15. Robert Becker Pickson, **Elliot Boateng**, Peng Gui, Ai Chen (2023). The impacts of climatic conditions on cereal production: implications for food security in Africa. *Environment Development and Sustainability*. https://doi.org/10.1007/s10668-023-03391-x
16. Emmanuel Senior Tenakwah, Emmanuel Junior Tenakwah, Mary Amponsah, Sarah Eyaa, **Elliot Boateng**, Nekpen Okhawere (2022). Adoption of Sustainable Technologies during Crisis: Examining Employees' Perception and Readiness across Cultures. *Sustainability*. https://doi.org/10.3390/su14084605
17. **Elliot Boateng**, Collins Baah Annor, Mary Amponsah (2022). Assessing the role of regulatory quality, favouritism, administrative requirement and licencing restriction in curtailing carbon emissions. *Journal of Public Affairs*. https://doi.org/10.1002/pa.2845
18. **E Boateng** (2022). Climate change: a friend or foe to food security in Africa? *Environment, Development and Sustainability*. https://doi.org/10.1007/s10668-021-01621-8
19. Robert Becker Pickson, Peng Gui, Ai Chen, **Elliot Boateng** (2022). Empirical analysis of rice and maize production under climate change in China. *Environmental Science and Pollution Research*. https://doi.org/10.1007/s11356-022-20722-z
20. **E Boateng** (2022). Impacts of climate change on rice production: evidence from 30 Chinese provinces. *Environment, Development and Sustainability*. https://doi.org/10.1007/s10668-021-01594-8
21. Robert Becker Pickson, Ge He, **Elliot Boateng** (2022). The impacts of climate change and smallholder farmers' adaptive capacities on rice production in Chengdu, China: macro-micro analysis. *Environmental Research Communications*. https://doi.org/10.1088/2515-7620/ac7949
22. **E Boateng** (2021). Foreign aid volatility and economic growth in Sub-Saharan Africa: Does institutional quality matter? *Economic modelling*. https://www.sciencedirect.com/science/article/pii/S0264999320312979
23. **E Boateng** (2021). Revisiting the economic growth–energy consumption nexus: does globalization matter? *Energy Economics*. https://www.sciencedirect.com/science/article/pii/S0140988321003583
24. **E Boateng** (2020). Does financial development mitigate carbon emissions? Evidence from heterogeneous financial economies. *Energy Economics*. https://www.sciencedirect.com/science/article/pii/S0140988320301080

25. Samuel Adams, **Elliot Boateng**, Alex O. Acheampong (2020). Transport energy consumption and environmental quality: Does urbanization matter? *The Science of The Total Environment*. https://doi.org/10.1016/j.scitotenv.2020.140617

26. Alex O. Acheampong, Samuel Adams, **Elliot Boateng** (2019). Do globalization and renewable energy contribute to carbon emissions mitigation in Sub-Saharan Africa? *The Science of The Total Environment*. https://doi.org/10.1016/j.scitotenv.2019.04.353

27. **E Boateng** (2019). Does the quality of institutions enhance savings? The case of Sub-Saharan Africa. *Applied Economics*. https://doi.org/10.1080/00036846.2019.1616066

28. I Bonuedi, **E Boateng** (2019). The growth effects of the bulging economically active population in Sub-Saharan Africa: do institutions matter? *African Development Review*. https://doi.org/10.1111/1467-8268.12364

29. Samuel Tawiah Baidoo, **Elliot Boateng**, Mary Amponsah (2018). Understanding the Determinants of Saving in Ghana: Does Financial Literacy Matter? *Journal of International Development*. https://doi.org/10.1002/jid.3377

30. **Elliot Boateng**, Mary Amponsah, Collins Annor Baah (2017). Complementarity Effect of Financial Development and FDI on Investment in Sub-Saharan Africa: A Panel Data Analysis. *African Development Review*. https://doi.org/10.1111/1467-8268.12258

31. K Agyekum, J Ayarkwa, P Amoah, **EB Boateng** (2016). Challenges to fire safety management in multi-storey students' hostels. *International Conference on Infrastructure Development in Africa, Johannesburg, South Africa, 10-12 July, 2016*. https://scholar.google.com/scholar?cluster=13858128618391451065&hl=en&oi=scholarr

32. **Elliot Boateng** (2015). Effect of Interest Rate on Savings Behaviour among Ghanaians: Evidence from Kumasi, Ghana. *ADRRI Journal of Arts and Social Sciences*.

33. **E BOATENG** (2015). THE RELATIONSHIP BETWEEN DOMESTIC SAVINGS AND INTERNATIONAL CAPITAL FLOWS: EVIDENCE FROM GHANA. *Dickey, DA, & Fuller, WA (1979). Distribution of the estimators for autoregressive time series with a unit root. Journal of the American statistical association*. https://www.academia.edu/download/40501191/FINAL_THESIS_WORK-ELLIOT_EDITED__2015_1_.pdf

34. **B Elliot** (2015). The relationship between inflation and unemployment in Ghana: Analysis of the Philips Curve. *African Journal of Economic Review*. https://www.ajol.info/index.php/ajer/article/download/119486/108943

Book chapters 1

1. **E Boateng** (2022). Econometric analysis of the economic growth-energy consumption nexus in emerging economies: The role of globalization. *Energy-Growth Nexus in an Era of Globalization*. https://www.sciencedirect.com/science/chapter/edited-volume/pii/B9780128244401000114

Reports 1

1. **E Boateng** (2025). Implication of environmental crises on the socioeconomic dimensions of the Sustainable Development Goals. *UNEP*. https://espace.library.uq.edu.au/view/UQ:bc2d684

Theses 1

1. **E Boateng** (2020). An Empirical Investigation of the Impact of Foreign Aid and Institutional Quality on Savings, Investment and Economic Growth in Sub-Saharan Africa. *The University of Newcastle*. https://openresearch.newcastle.edu.au/ndownloader/files/54371681