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RESEARCH

Interests	Tourism Safety and Security · Tourism Governance · Tourism-Development Nexus
Areas	Sociology and Political Science · Demography · Transportation · Social Psychology · Control and Systems Engineering · Economics and Econometrics

RESEARCH SUMMARY

62	1,088	17	27	4.07	42%
Publications	Citations	h-index	i10-index	Field-weighted impact	World top 10%

Counted from the 62 publications listed below, 2006–2026. 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. 11 of the 26 papers scored for it are among the world's most cited tenth for their field, type and year.

PUBLICATIONS

Journal articles 51

1. Kojo Boakye, Bright Oppong Afum, **Kwaku Boakye** (2026). A Multi-Indicator Approach for Enhancing Real-time Worker Fatigue Monitoring in Mining Environments. *Mining Metallurgy & Exploration*. https://doi.org/10.1007/s42461-026-01643-8
2. Justina Senam Lotsu, Gilbert Yaw Bimpong, **Kwaku Boakye** (2026). An open-source optimization model for sustainable open-pit mine production scheduling. *Frontiers in Artificial Intelligence*. https://doi.org/10.3389/frai.2026.1759758
3. **Kwaku Boakye** (2026). Digital Twin in Open-Pit Mining: A Review and Maturity-Based Assessment of Deployment and Operational Reality. *Intelligent Systems Research and Applications Journal*. https://israj.org/index.php/israj/article/view/281
4. **Kwaku Boakye** (2026). Machine Learning-Based Delineation of Anomalous Gold Zones from Drillhole Geochemistry in a Sulphide-Hosted Orogenic Gold System. *Geosciences*. https://www.mdpi.com/2076-3263/16/6/240
5. **Kwaku Boakye** (2025). Leveraging agile and hybrid models to advance sustainability initiatives in the oil and gas industry. *Asian Journal of Advanced Research and Reports*. https://hal.science/hal-05065630/
6. Kojo Boakye, Shiphrah Ohene Adu, Solomon Nunoo, **Kwaku Boakye** (2024). Evaluation of Free Cooling Technique at the Telecom Cell Site in Ghana. *European Scientific Journal ESJ*. https://doi.org/10.19044/esj.2024.v20n18p23
7. Aseye Afi Atsakpo, Christopher Mensah, **Kwaku A. Boakye**, Ewoenam Afenyo-Agbe, Bright Danquah (2024). Stakeholder collaboration in tourism governance in Ghana. *African Journal of Hospitality and Tourism Management*. https://doi.org/10.47963/ajhtm.v4i1.1144
8. **Kwaku Boakye** (2024). The Ghana Venture Capital Trust Fund: A Comprehensive Analysis of Financial Health, Growth, and Sustainability from 2016 to 2022. *Technology and Investment*. https://www.scirp.net/journal/paperinformation?paperid=134701
9. **Kwaku Boakye** (2024). Towards leveraging artificial intelligence for sustainable cement manufacturing: a systematic review of AI applications in electrical energy consumption optimization. *Sustainability*. https://www.mdpi.com/2071-1050/16/11/4798

10. **KA Boakye** (2023). Conceptualizing post-COVID 19 tourism recovery: A three-step framework. *Tourism Planning & Development*.

11. **Kwaku Boakye** (2023). Machine Learning Algorithm to Predict CO2 Using a Cement Manufacturing Historic Production Variables Dataset: A Case Study at Union Bridge Plant, Heidelberg .... *Journal of Manufacturing and Materials Processing*. https://www.mdpi.com/2504-4494/7/6/199

12. Sophia Ohene-Darko, **Kwaku A. Boakye** (2022). Food safety regulation: Perspectives of food service operators in the cape coast metropolis. *Ghana Journal of Education Issues and Practice (GJE)*. https://doi.org/10.47963/gje81327

13. **Kwaku Boakye** (2022). Toward carbon-neutral concrete through biochar–cement–calcium carbonate composites: a critical review. *Sustainability*. https://www.mdpi.com/2071-1050/14/8/4633

14. Esi Akyere Mensah, **Kwaku Adutwum Boakye** (2021). Conceptualizing Post-COVID 19 Tourism Recovery: A Three-Step Framework. *Tourism Planning & Development*. https://doi.org/10.1080/21568316.2021.1945674

15. **Kwaku Boakye** (2021). Improving kiln feed chemistry and overburden wasting through controlled consistent quarry material mix: a case study at union bridge cement plant. *Journal of Cement Based Composites*. https://www.researchgate.net/profile/Kwaku-Boakye-7/publication/360771316_Improving_Kiln_Feed_Chemistry_and_Overburden_Wasting_through_Controlled_Consistent_Quarry_Material_Mix_A_Case_Study_at_Union_Bridge_Cement_Plant/links/62ac594b938bee3e3f3c12bd/Improving-Kiln-Feed-Chemistry-and-Overburden-Wasting-through-Controlled-Consistent-Quarry-Material-Mix-A-Case-Study-at-Union-Bridge-Cement-Plant.pdf

16. Getrude Poku, **Kwaku A. A. Boakye** (2020). A safety and security audit of the Kakum National Park. *African Journal of Hospitality and Tourism Management*. https://doi.org/10.47963/ajthm.v2i1.144

17. Getrude Poku, **Kwaku Adutwum Ayim Boakye** (2019). Insights into the safety and security expressions of visitors to the Kakum National Park: Implications for management. *Tourism Management Perspectives*. https://doi.org/10.1016/j.tmp.2019.100562

18. **Kwaku Adutwum Ayim Boakye**, Issahaku Adams, Charles Atanga Adongo (2017). Analyzing Ghana's Tourism Operating Environment. *Journal of Business and Enterprise Development (JOBED)*. https://doi.org/10.47963/jobed.v7i0.128

19. **Kwaku Adutwum Ayim Boakye**, Issahaku Adams, Charles Atanga Adongo (2017). Analyzing Ghana's Tourism Operating Environment A Political Economy Perspective. *Journal of Business and Enterprise Development (JOBED)*. https://doi.org/10.47963/jobed.2017.01

20. **Kwaku Adutwum Ayim Boakye** (2017). Ghana's tourism in perspective: historical trends, and the dynamics of philosophical orientation and industry performance. *Oguaa Journal of Social Sciences*. https://doi.org/10.47963/joss.v8i1.307

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22. Charles A. Adongo, Frank Badu-Baiden, **Kwaku Adutwum Ayim Boakye** (2017). The tourism experience-led length of stay hypothesis. *Journal of Outdoor Recreation and Tourism*. https://doi.org/10.1016/j.jort.2017.02.003

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24. Issahaku Adam, **Kwaku Adutwum Boakye**, Akwasi Kumi-Kyereme (2016). Are we our own enemies? Leisure constraints of physically and visually disabled people in Ghana. *World Leisure Journal*. https://doi.org/10.1080/16078055.2016.1245213

25. Frank Badu-Baiden, **Kwaku Adutwum Boakye**, Felix Elvis Otoo (2016). Backpackers' views on risk in the Cape Coast-Elmina area of Ghana. *International Journal of Tourism Sciences*. https://doi.org/10.1080/15980634.2016.1185308

26. KENDIE Stephen Bugu, **Kwaku Adutwum Boakye** (2016). Conflict, peace and development: A spatio-

thematic analysis of violent conflicts in Northern Ghana between 2007 and 2013. *African Journal of Respiratory Medicine*. https://openurl.ebsco.com/contentitem/gcd:119122489?sid=ebsco:plink:crawler-gcd&id=ebsco:gcd:119122489&crl=c&jrnl=17475597

27. Issahaku Adam, Akwasi Kumi-Kyereme, **Kwaku Adutwum Boakye** (2016). Leisure motivation of people with physical and visual disabilities in Ghana. *Leisure Studies*. https://doi.org/10.1080/02614367.2016.1182203
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30. Rob Mawby, **Kwaku Boakye**, Carol Jones (2014). Policing tourism: the emergence of specialist units. *Policing & Society*. https://doi.org/10.1080/10439463.2013.870174
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32. Edem Amenumey, **Kwaku Adutwum Boakye** (2014). Tourism Management Perspectives. *Tourism Management*. https://cdn.angkordatabase.asia/libs/docs/Indicatorpaper.pdf
33. Emmanuel Gamor, Eunice Fay Amissah, **Kwaku Adutwum Anyim Boakye** (2014). Work–family conflict among hotel employees in Sekondi-Takoradi Metropolis, Ghana. *Tourism Management Perspectives*. https://doi.org/10.1016/j.tmp.2014.06.001
34. **Kwaku Adutwum Ayim Boakye**, Samuel Kobina Annim, Isaac Dasmani (2013). An Econometric Analysis of Internal Travel Patterns in Ghana and the Implications for Domestic Tourism. *Tourism Economics*. https://doi.org/10.5367/te.2013.0245
35. **Kwaku Adutwum Boakye**, F Frempong (2013). Assessing Ghana's contemporary tourism development experience. *Journal of Global Initiatives: Policy, Pedagogy, Perspective*. https://digitalcommons.kennesaw.edu/jgi/vol8/iss1/9/
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38. **KA Boakye**, R Boohene (2010). Inbound tourist's perceptions of Ghana: A post-trip assessment. *Global Cultures*. https://scholar.google.com/scholar?cluster=9787776532123356326&hl=en&oi=scholarr
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41. **Kwaku Adutwum Boakye** (2009). Analysing inbound tourists' perceptions of Ghana. *Ghana Journal of Geography*.
42. Kofi Awusabo-Asare, **Kwaku Adutwum Boakye** (2009). The Trans Atlantic slave trade: memories, attitudes and issues for tourism development. *Drumspeak: international journal of research in the humanities*. https://www.africabib.org/rec.php?RID=340418966
43. **Kwaku Adutwum Boakye** (2009). The concept of capable guardianship: Exploring police views on tourist protection in Ghana. *Crime Prevention and Community Safety*. https://doi.org/10.1057/cpcs.2008.23
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2. **K Boakye** (2011). The Effect of Weathering And Age On Shear Strength of Questa Mine Rock Piles, New Mexico, USA. *ARMA US Rock Mechanics/Geomechanics Symposium*. https://onepetro.org/ARMAUSRMS/proceedings-abstract/ARMA11/ARMA11/119546

3. **K Boakye** (2010). Relationship Between Physical, Chemical, And Mineralogical Properties And Cohesion of Questa Rock Pile Materials. *ARMA US Rock Mechanics/Geomechanics Symposium*. https://onepetro.org/ARMAUSRMS/proceedings-abstract/ARMA10/ARMA10/ARMA-10-165/119438

Reports 4

1. **Kwaku Boakye** (2024). A review of strategies to achieve net zero targets in the cement and concrete sectors. *Reducing Carbon Footprint in Different Sectors for Sustainability*. https://www.intechopen.com/chapters/1182128

2. **Kwaku Boakye** (2024). Raw material optimization and CO_2 sensitivity-predictive analytics in cement manufacturing: a case study at Union Bridge Plant, Heidelberg Materials, Maryland. *Colorado State University. Libraries*. https://mountainscholar.org/items/dc179ec3-f2d2-4024-8982-9cc8948c3f88

3. KENDIE Stephen Bugu, P Osei-Kufuor, **Kwaku Adutwum Boakye** (2014). Spatial analysis of violent conflicts in Ghana, 2007-2013. *University of Cape Coast*. https://scholar.google.com/scholar?cluster=4553648038167370694&hl=en&oi=scholarr

4. **Kwaku Adutwum Boakye**, Emmanuel A Mensah (2011). Ecotourism experiences of international visitors to the Owabi wildlife sanctuary, Ghana. *University of Cape Coast*. https://ir.ucc.edu.gh/items/2cd69c67-aae7-4b67-87a1-4ccac962748e

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2. **KWAKU BOAKYE** (2016). WILLINGNESS TO PAY FOR IMPROVED SEWAGE SYSTEM: A CASE STUDY OF CAPE COAST METROPOLIS. *DEPARTMENT OF ECONOMICS WILLINGNESS TO PAY FOR IMPROVED SEWAGE SYSTEM: A CASE STUDY OF CAPE COAST METROPOLIS BY KWAKU BOAKYE A DISSERTATION PRESENTED TO THE DEPARTMENT OF ECONOMICS, FACULTY OF SOCIAL SCIENCES, COLLEGE OF HUMANITIES AND LEGAL STUDIES, UNIVERSITY OF CAPE COAST*. https://www.academia.edu/download/114511450/ITEMS_PROJECT.pdf
3. **Kwaku Boakye** (2008). Large in situ direct shear tests on rock piles at the Questa Min, Taos county, New Mexico. *New Mexico Institute of Mining and Technology*. https://www.researchgate.net/profile/Kwaku-Boakye-7/publication/361370309_LARGE_IN_SITU_DIRECT_SHEAR_TESTS_ON_ROCK_PILES_AT_THE_QUESTA_MINE_TAOS_COUNTY_NEW_MEXICO/links/62ac7bd423f3283e3aef5d8d/LARGE-IN-SITU-DIRECT-SHEAR-TESTS-ON-ROCK-PILES-AT-THE-QUESTA-MINE-TAOS-COUNTY-NEW-MEXICO.pdf