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RESEARCH

Interests	Process Safety · Biomass and Bioenergy · Separation Engineering · Recycling · Env. Remediation
Areas	Biomedical Engineering · Organic Chemistry · Plant Science · Building and Construction · Food Science · Pollution

RESEARCH SUMMARY

94	1,708	25	45	2.00	24%
Publications	Citations	h-index	i10-index	Field-weighted impact	World top 10%

Counted from the 94 publications listed below, 2005–2026. Field-weighted impact is the mean over the 67 works scored for it; 1.00 is the world average for works of the same field, type and year. 16 of the 67 papers scored for it are among the world's most cited tenth for their field, type and year.

POSITIONS

University of Cape Coast
Cape Coast, Ghana

PUBLICATIONS

Journal articles 84

1. Caleb Mununkum Addai, **Samuel Kofi Tulashie**, Enoch Mbawin Alale, Emmanuel Boafo Baidoo, Priscilla Agyapong (2026). Advancing sustainable chemical engineering through emerging membrane solutions. *Sustainable & green materials.*. https://doi.org/10.1080/29965292.2026.2693502
2. **Samuel Kofi Tulashie**, Abdul-Wadud Ibrahim Atiiga, Stephen Mensah, Simon Obutey Teye, Rachael Arkorful, Mustapha Iddrisu, Mavis Olayemi Olorunyomi, Francis Nsiah, Ruphino Zugle, George Alimoh, Genevieve Adukpo, Samuel Koomson (2026). Benchmarking accessible electrode materials for electrochemical sodium hypochlorite production. *Discover Electrochemistry.*. https://doi.org/10.1007/s44373-026-00152-z
3. **Samuel Kofi Tulashie**, Emmanuel Boafo Baidoo, Richmond Afoakwah, Dorcas Naa Odarley Ablateye, Francis Tambo, Samira Esinam Elsie Aggor Woananu, Enoch Mbawin Alale, Alvin David Amewuho, Foster Appiah Kubi, Osborne Kwadwo Owusu, Perry Nana Yaw Ahadjie (2026). Comparative spectroscopic characterization of ignitable liquid residues and fire debris using FTIR and XRD. *Spectroscopy Letters*. https://doi.org/10.1080/00387010.2026.2723261
4. **SK Tulashie** (2026). Control measures and regulatory gaps in managing solid aerosol exposure in Ghana's gold mining sector. *CIM Journal*. https://doi.org/10.1080/19236026.2026.2718988
5. Emmanuel Boafo Baidoo, **Samuel Kofi Tulashie**, Enoch Mbawin Alale, Caleb Addai Mununkum, Darious Donkor, Foster Helegah, Jonathan Oduro, Kweitey Arafat (2026). Energy storage technologies for sustainable power systems: a review on decarbonisation, decentralisation, and digitalisation. *International Journal of Ambient Energy*. https://doi.org/10.1080/01430750.2026.2676631
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7. **SK Tulashie** (2026). Evaluating occupational health and safety interventions for reducing solid aerosol exposure in the gold mining industry. *CIM Journal*. https://doi.org/10.1080/19236026.2026.2726146
8. Frederick Eduful, Benjamin Afotey, Nana Yaw Aseidu, **Samuel Kofi Tulashie**, Alexander Duncan Reynolds, Enoch Mbawin Alale, Emmanuel Boafo Baidoo (2026). Exploring integration gaps between automation, process safety, and human factors: A case study of the Takoradi thermal power station in Ghana. *Journal of industrial safety.*. https://doi.org/10.1016/j.jinse.2026.06.003
9. Joe Steve Annan, Sulemana Alhassan, Jonathan Nartey Hogarh, Bernard Fei Baffoe, **Samuel Kofi Tulashie** (2026). Occupational exposure to solid aerosols in Ghana's large-scale gold mining sector: An assessment of legal gaps, compliance levels, and enforcement regulations. *Environmental Development*. https://doi.org/10.1016/j.envdev.2026.101541
10. Enoch Mbawin Alale, **Samuel Kofi Tulashie**, Daniel Dodoo, Mustapha Iddrisu, Emmanuel Boafo Baidoo, Caleb Mununkum Addai, Kingsley Boateng Opoku Oscar, Victor Yao Atsu Barku, Philip Agudah Quasie, Simon Torgah (2025). A comprehensive kinetics and thermodynamics studies of oil extraction from West African avocado: Towards sustainable development. *Industrial Crops and Products*. https://doi.org/10.1016/j.indcrop.2024.120449
11. Foster Helegah, **Samuel Kofi Tulashie**, Peter Kofi Nyaku, Isaac Benkyi, Emmanuel Boafo Baidoo, Enoch Mbawin Alale, Darious Donkor, Daniel Amegashiti, Derrick Kojo Arthur, Mark Obed Koufie (2025). A review of recent advances in pharmaceutical binders: a sustainable approach to tablet formulation. *International Journal of Polymeric Materials*. https://doi.org/10.1080/00914037.2025.2602566
12. **Samuel Kofi Tulashie**, Vanessa Ackom, Emmanuel Boafo Baidoo, Grace Acquah, Bridget Fialor, Enoch Mbawin Alale (2025). Changing Skin: The Prevalence, Impact, and Risks of Skin Bleaching Among African Women. *Journal of Racial and Ethnic Health Disparities*. https://doi.org/10.1007/s40615-025-02695-0
13. Darious Donkor, **Samuel Kofi Tulashie**, Foster Helegah, Emmanuel Boafo Baidoo, Enoch Mbawin Alale, Daniel Anamoah Holdbrook, Senam Kodzo Lartey-Qel, Ebenezer Kwame Opoku, Simon Etornam Felitse, Divine Ayaaba Alem (2025). Cocoa byproduct utilization in the bioeconomy: a review of waste-to-resource strategies. *Biofuels*. https://doi.org/10.1080/17597269.2025.2550911
14. Emmanuel Boafo Baidoo, **Samuel Kofi Tulashie**, Enoch Mbawin Alale, Caleb Addai Munumkum, Desmond Acquah, Philip Quasi Agudah, Philomina Adams Asante (2025). Revolutionizing bioenergy production: a review on sustainable biomass feedstock. *Biomass and Bioenergy*. https://doi.org/10.1016/j.biombioe.2025.108113
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18. Emmanuel Boafo Baidoo, **Samuel Kofi Tulashie**, Michael Miyittah, Enoch Mbawin Alale, Kingsley Enoch Adukpoh, George Wardu Agyekwaga, Philomina Adams Asante (2024). Kinetics and thermodynamic studies on oil extraction from Ghanaian cashew kernel using hexane. *Heliyon*. https://doi.org/10.1016/j.heliyon.2024.e32421
19. Enoch Mbawin Alale, **Samuel Kofi Tulashie**, Michael Miyittah, Emmanuel Boafo Baidoo, Kingsley Enoch Adukpoh, Enock Opare Dadzie, Clement Akonnor Osei, Bright Komla Gah, Desmond Acquah, Philip Agudah Quasi (2024). Oil produced from Ghana Shea Nut crop for prospective industrial applications. *Heliyon*. https://doi.org/10.1016/j.heliyon.2024.e31171

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30. Alexander Kumi-Larbi Jnr, Latifatu Mohammed, Trinity Ama Tagbor, **Samuel Kofi Tulashie**, Christopher Cheeseman (2023). Recycling Waste Plastics into Plastic-Bonded Sand Interlocking Blocks for Wall Construction in Developing Countries. *Sustainability*. https://doi.org/10.3390/su152416602

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33. **Samuel Kofi Tulashie** (2022). Formulation of mosquito repellent soap using neem extract, and Musa paradisiaca covers as a substitute source of alkalis. *Case Studies in Chemical and Environmental Engineering*. https://www.sciencedirect.com/science/article/pii/S2666016421000931

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35. Edith Aliatu Sugri Waja, Foster Kwame Kholi, Grace Esu-Ejemot Aquah, **Samuel Kofi Tulashie**, Mark Amoah Nyasapoh (2022). Parametric investigation of sand erosion rates in gas pipeline bends under typical industry conditions using simplified method. *Energy Sources Part A Recovery Utilization and*

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36. Daniel Dodoo, Francis Adjei, **Samuel Kofi Tulashie**, Stephen Awuku, Jacking Amenakpor, Harry Kwaku Megbenu (2022). Postmarketing Surveillance for the Photosensitised Oxidation of Vegetable Oils in the Marketplace. *Journal of Oleo Science*. https://doi.org/10.5650/jos.ess21402
37. **Samuel Kofi Tulashie**, Jacking Amenakpor, Sandra Atisey, Raphael Odai, Ephraim Edem Amoah Akpari (2022). Production of coconut milk: A sustainable alternative plant-based milk. *Case Studies in Chemical and Environmental Engineering*. https://doi.org/10.1016/j.cscee.2022.100206
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41. **Samuel Kofi Tulashie**, Francis Kotoka, Bennett Nana Botchway, Kofi Adu (2022). Removal of reactive violet 5 azodye (V5R) using bamboo, and calabash biochar. *Heliyon*. https://doi.org/10.1016/j.heliyon.2022.e10908
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45. Godfred Appiah, **Samuel Kofi Tulashie**, Ephraim Edem Amoah Akpari, Eldon R. Rene, Daniel Dodoo (2021). Biolubricant production via esterification and transesterification processes: Current updates and perspectives. *International Journal of Energy Research*. https://doi.org/10.1002/er.7453
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71. Joe-Steve Annan, Emmanuel K. Addai, **Samuel K. Tulashie** (2015). A Call for Action to Improve Occupational Health and Safety in Ghana and a Critical Look at the Existing Legal Requirement and Legislation. *Safety and Health at Work*. https://doi.org/10.1016/j.shaw.2014.12.002
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Book chapters 1

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Conference papers 6

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