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RESEARCH

Interests: (a) metallurgy · (b) Surface modification of metals via heat treatment · (c) Multi-scale mechanical properties of materials · (d)

Areas: Electronic, Optical and Magnetic Materials · Materials Chemistry · Pollution · Electrical and Electronic Engineering · Civil and Structural Engineering · Water Science and Technology

RESEARCH SUMMARY

67	702	16	24	1.16	6%
Publications	Citations	h-index	i10-index	Field-weighted impact	World top 10%

Counted from the 67 publications listed below, 2011–2026. Field-weighted impact is the mean over the 53 works scored for it; 1.00 is the world average for works of the same field, type and year. 3 of the 53 papers scored for it are among the world's most cited tenth for their field, type and year.

POSITIONS

Quality Control Head 2024–2025
Quality Control and Assurance, Ayisona Acquah Co. Ltd, Winneba, Ghana

Quality Control and Assurance Officer 2022–2024
Quality, Twellium Industrial Co. Ltd, Accra, Ghana

Graduate Assistant 2020–2021
Agricultural and Biosystems Engineering, Kwame Nkrumah University of Science and Technology, Kumasi, Ghana

EDUCATION AND QUALIFICATIONS

Mphil. Food and Postharvest Engineering 2019–2022
Agricultural and Biosystems Engineering, Kwame Nkrumah University of Science and Technology, Kumasi, Ghana

Bsc. Agricultural Engineering 2012–2016
Agricultural and Biosystems Engineering, Kwame Nkrumah University of Science and Technology, Kumasi, Ghana

PUBLICATIONS

Journal articles 65

1. Perseverance Dzikunu, **Emmanuel Kwesi Arthur**, Samuel Olukayode Akinwamide, Emmanuel Gikunoo, Joseph Gati, Kwadwo Mensah-Darkwa, Eric A.K. Fangnon (2026). Stress-Engineered Nickel Current Collectors as Active Components for High-Performance Supercapacitors. *ACS Applied Engineering Materials*. https://doi.org/10.1021/acsaenm.6c00712
2. Emmanuel Afriyie, **Emmanuel Kwesi Arthur**, Emmanuel Gikunoo, Asiwome Boateng (2025). Bentonite-assisted carbonisation of waste polyethylene terephthalate bottles for the removal of heavy metals from

polluted water. *Results in Surfaces and Interfaces*. https://doi.org/10.1016/j.rsurfi.2024.100406

3. A Boateng, **EK Arthur**, E Gikunoo, E Afriyie (2025). Corrosion inhibition efficiency of expired antimalarial drugs on stainless steels in acidic and basic media. *Results in Surfaces and Interfaces*. https://www.sciencedirect.com/science/article/pii/S2666845925000017

4. Perseverance Dzikunu, **Emmanuel Kwesi Arthur**, Emmanuel Gikunoo, Elike Bleppony, Daniel Nframah Ampong, Frank Ofori Agyemang, Ruth Ebela Kwofie, Kwadwo Mensah-Darkwa (2025). Energy storage capabilities of spent pot lining and ZnO composite for supercapacitor applications. *Next Materials*. https://doi.org/10.1016/j.nxmate.2025.100727

5. Seth Adusei, **Emmanuel Kwesi Arthur**, Emmanuel Gikunoo, William Amponsah, Frank Ofori Agyemang, Godfred Ohemeng-Boahen (2025). Heavy Metal Pollution From Illegal Mining 'Galamsey ' Activities on the Viability of Clarias gariepinus in the Oda River, Ghana. *Aquaculture Fish and Fisheries*. https://doi.org/10.1002/aff2.70076

6. **Emmanuel Arthur**, Charles Gyamfi, Fred Oppong Kyekyeku Anyemedu, Maxwell Anim-Gyampo (2025). Hybrid AHP-machine learning modelling of groundwater recharge potential under land use and climate change in tropical Basins: Implications for sustainable water management. *Environmental and Sustainability Indicators*. https://doi.org/10.1016/j.indic.2025.100796

7. Kwabena Koranteng Asiedu, Luke E. K. Achenie, Tracy Asamoah, **Emmanuel Kwesi Arthur**, Nana Yaw Asiedu (2025). Incorporating Mechanistic Insights into Structure–Property Modeling of Metal–Organic Frameworks for H2 and CH4 Adsorption: A CGCNN Approach. *Industrial & Engineering Chemistry Research*. https://doi.org/10.1021/acs.iecr.4c03301

8. **Emmanuel Arthur**, Charles Gyamfi, Fred Oppong Kyekyeku Anyemedu, Maxwell Gyampo (2025). SPATIAL and temporal dynamics of groundwater vulnerability to contaminants under climate and land use changes in the Pra and Ankobra basins. *Watershed Ecology and the Environment*. https://doi.org/10.1016/j.wsee.2025.05.001

9. Perseverance Dzikunu, Eugene Sefa Appiah, **Emmanuel Kwesi Arthur**, Samuel Olukayode Akinwamide, Emmanuel Gikunoo, Eric A. K. Fangnon, Kwadwo Mensah-Darkwa, Anthony Andrews, Pedro Vilaça (2025). Waste-to-carbon-based supercapacitors for renewable energy storage: progress and future perspectives. *Materials for Renewable and Sustainable Energy*. https://doi.org/10.1007/s40243-024-00285-4

10. Abu Bakarr Turay, MCIPS (CS), **Emmanuel Awusi Arthur** (2025). "The Influence of Blockchain Technology on Humanitarian Supply Chain Resilience: The Mediating Role of Trust and Collaboration in Resource Constraint Settings". *International Journal of Research and Innovation in Social Science*. https://doi.org/10.47772/ijriss.2025.91100335

11. PA Anim, **E Arthur** (2024). Bridging borders: Harmonizing curricula for equivalence in Transnational Education. *Proceedings of the Lancaster University Education Conference*. https://ojs.library.lancs.ac.uk/lue/article/view/9

12. Desmond Ankobiah Kusi, **Emmanuel Kwesi Arthur**, Emmanuel Gikunoo, Perseverance Dzikunu, Kwabena Koranteng Asiedu, Richard Armoo, Frank Ofori Agyemang (2024). Electrochemical performance of chemically treated pyrolytic carbon black from waste car tyres. *Energy Nexus*. https://doi.org/10.1016/j.nexus.2024.100297

13. Perseverance Dzikunu, **Emmanuel Kwesi Arthur**, Emmanuel Gikunoo, Kwadwo Mensah-Darkwa, Samuel Olukayode Akinwamide, Eric A.K. Fangnon, Pedro Vilaça (2024). Electrochemical performance of graphene oxide synthesized from graphitic spent potlining for energy storage application. *Journal of Energy Storage*. https://doi.org/10.1016/j.est.2024.113896

14. Mahmoud Abdulai Mahmoud, PA Anim, **E Arthur** (2024). Exploring the Transformative Role of ChatGPT in Marketing: Opportunities, Challenges, and Future Directions. *Revolutionizing the Service Industry With OpenAI Models*. https://www.igi-global.com/chapter/exploring-the-transformative-role-of-chatgpt-in-marketing/345288

15. Frank Ofori Agyemang, Kwadwo Mensah-Darkwa, Nashiru Mahadeen Nanzumani, Eugene Sefa Appiah, Frederick Aziadzo, Patrick Aggrey, Daniel Nframah Ampong, Martinson Addo Nartey, **Emmanuel Kwesi**

Arthur, Emmanuel Gikunoo, Ram K. Gupta (2024). Graphene oxide from coconut shells for high-performance supercapacitor application. *Discover Electrochemistry*.. https://doi.org/10.1007/s44373-024-00005-7

16. Perseverance Dzikunu, **Emmanuel Kwesi Arthur**, Emmanuel Gikunoo, Kwadwo Mensah-Darkwa, Samuel Olukayode Akinwamide, Pedro Vilaça (2024). Optimization of process parameters and kinetics of fluoride extraction from spent potlining using response surface methodology. *Journal of Environmental Management*. https://doi.org/10.1016/j.jenvman.2024.121896
17. Douglas Siaw Baah, Emmanuel Gikunoo, **Emmanuel Kwesi Arthur**, Frank Ofori Agyemang, Gordon Foli, Bennetta Koomson, Philipa Opoku (2023). Anthropogenic Sources and Risk Assessment of Heavy Metals in Mine Soils: A Case Study of Bontesso in Amansie West District of Ghana. *Journal of Chemistry*. https://doi.org/10.1155/2023/6760154
18. **Emmanuel Arthur**, George Obeng-Akrofi, Edward A. Awafo, Joseph O. Akowuah (2023). Comparative assessment of three storage methods for preserving maize grain to enhance food security post COVID-19. *Scientific African*. https://doi.org/10.1016/j.sciaf.2023.e01582
19. Lois Pokuaa Adjei, **Emmanuel Kwesi Arthur**, Emmanuel Gikunoo, Gordon Foli, Jonathan Arthur Quaye-Ballard, Frank Ofori Agyemang, Rapheal Nsiah-Gyambibi, Douglas Siaw Baah (2023). Cyanide contamination assessment via target survey and physicochemical and bacteriological characterization: a case study of Akrofrom-Techiman cassava processing area in Ghana. *Environmental Monitoring and Assessment*. https://doi.org/10.1007/s10661-023-11037-8
20. Salifu Tahiru Azeko, Jacob Kofi Mensah, **Emmanuel Kwesi Arthur**, Napoleon Abiwu, Moses Kingsford Flomo, Joseph Asiamah Boadu, Philip Yamba, Enoch Asuako Larson, Anthony Akayeti, Raj Kumar Satankar, Ebenezer Annan (2023). Eco-friendly green composites reinforced with recycled polyethylene for engineering applications. *Journal of Material Cycles and Waste Management*. https://doi.org/10.1007/s10163-023-01701-z
21. Michael A. Ampomah, Joseph O. Akowuah, Joseph Aveyire, **Emmanuel K. Arthur**, Charles Stark, Ishmael N. Amanor, David A. Wandusim (2023). Effects of surface hardening on hardness and tensile strength of locally manufactured feed mill hammers. *Journal of the Ghana Institution of Engineering (JGhIE)*. https://doi.org/10.56049/jghie.v23i4.102
22. Fuseini Abdallah, **Emmanuel Kwesi Arthur**, Kwadwo Mensah-Darkwa, Emmanuel Gikunoo, Samuel Agyei Baffour, Belinda Awudu Agamah, Martinson Addo Nartey, Frank Ofori Agyemang (2023). Electrochemical performance of corncob-derived activated carbon-graphene oxide and TiO2 ternary composite electrode for supercapacitor applications. *Journal of Energy Storage*. https://doi.org/10.1016/j.est.2023.107776
23. Elike Bleppony, **Emmanuel Kwesi Arthur**, Emmanuel Gikunoo, Perseverance Dzikunu, Frank Ofori Agyemang, Kwadwo Mensah-Darkwa (2023). Four-stage chemical treatment of spent pot lining carbon for titanium oxide doped high performance supercapacitor electrode material. *Next Materials*. https://doi.org/10.1016/j.nxmate.2023.100022
24. **E Arthur** (2023). Impact of point-of-care rapid diagnostic tests on antibiotic prescription among patients aged< 18 years in primary healthcare settings in 2 peri-urban districts in Ghana …. *Clinical Infectious Diseases*. https://academic.oup.com/cid/article-abstract/77/Supplement_2/S145/7231002
25. Rebecca Zida Afriyie, **Emmanuel Kwesi Arthur**, Emmanuel Gikunoo, Douglas Siaw Baah, Etornam Dziafa (2023). Potential health risk of heavy metals in some selected vegetable crops at an artisanal gold mining site: A case study at Moseaso in the Wassa Amenfi West District of Ghana. *Journal of Trace Elements and Minerals*. https://doi.org/10.1016/j.jtemin.2023.100075
26. Kwadwo Koram, Emmanuel Gikunoo, **Emmanuel Kwesi Arthur**, Daniel Adjah Anang, Frank Ofori Agyemang, Gordon Foli, Douglas Siaw Baah (2023). Synthesis of magnesium oxide from waste magnesium-rich Cucurbita pepo (pumpkin) seeds. *Sustainable Environment*. https://doi.org/10.1080/27658511.2023.2258473
27. **E Arthur** (2023). Understanding health worker and community antibiotic prescription-adherence practices for acute febrile illness: a nested qualitative study in the shai-osudoku district of …. *Clinical Infectious Diseases*. https://academic.oup.com/cid/article-abstract/77/Supplement_2/S182/7230997

28. Michelle Mimi Vandyck, **Emmanuel Kwesi Arthur**, Emmanuel Gikunoo, Frank Ofori Agyemang, Bennetta Koomson, Gordon Foli, Douglas Siaw Baah (2023). Use of limekiln dust in the stabilization of heavy metals in Ghanaian gold oxide ore mine tailings. *Environmental Monitoring and Assessment*. https://doi.org/10.1007/s10661-023-11306-6

29. **E Arthur**, JO Akowuah, G Obeng-Akrofi (2022). Assessment of the Purdue Improved Crop Storage (PICS) bag for maize storage in Ghana. *African Journal of Food Agriculture Nutrition and Development*. https://doi.org/10.18697/ajfand.111.22055

30. Ifeanyi Emmanuel Kalu, Ericmoore Jossou, **Emmanuel Kwesi Arthur**, Simon Ja'afaru, Edith Yohanna Ishidi (2022). Characterization and Mechanical Property Measurements by Instrumented Indentation Testing of Niger Delta Oil Shale Cuttings. *International journal of engineering research in Africa*. https://doi.org/10.4028/p-2m9z7g

31. Prince Baffour Awuah, Albert Amatey Adjaottor, Emmanuel Gikunoo, **Emmanuel Kwesi Arthur**, Frank Ofori Agyemang, Douglas Siaw Baah (2022). Dust Deposition and Associated Heavy Metal Contamination in the Neighborhood of a Cement Production Plant at Konongo, Ghana. *Journal of Chemistry*. https://doi.org/10.1155/2022/6370679

32. **Emmanuel Arthur** (2022). Energy development: A global perspective and advances in Ghana. *AIMS energy*. https://doi.org/10.3934/energy.2022017

33. Nashiru Mahadeen Nanzumani, Frank Ofori Agyemang, Kwadwo Mensah-Darkwa, Eugene Sefa Appiah, **Emmanuel Kwesi Arthur**, Emmanuel Gikunoo, Bennetta Koomson, Amol R. Jadhav, Akeem Raji (2022). Molten salt synthesis of nitrogen-doped hierarchical porous carbon from plantain peels for high-performance supercapacitor. *Journal of Electroanalytical Chemistry*. https://doi.org/10.1016/j.jelechem.2022.116645

34. Benjamin Ewuley Yankey, Charles Gyamfi, **Emmanuel Arthur**, Benjamin Wullobayi Dekongmen, Patricia Asantewaa-Tannor, John Kwame Tawiah, Laudina Gloria Mends (2022). Small hydropower development potential in the Densu River Basin, Ghana. *Journal of Hydrology Regional Studies*. https://doi.org/10.1016/j.ejrh.2022.101304

35. Perseverance Dzikunu, **Emmanuel Kwesi Arthur**, Emmanuel Gikunoo, Elike Bleppony, Frank Ofori Agyemang, Kwadwo Mensah-Darkwa (2022). Successive selective leaching procedures for valorization of spent pot lining carbon. *Process Safety and Environmental Protection*. https://doi.org/10.1016/j.psep.2022.11.008

36. Emmanuel Joel Aikins Abakah, Aviral Kumar Tiwari, **Emmanuel Kwesi Arthur**, Luis Alberiko Gil-Alana (2022). The influence of economic policy uncertainty shocks on art market. *Applied Economics*. https://doi.org/10.1080/00036846.2022.2114999

37. Andrews Amoako Atta, **Emmanuel Kwesi Arthur**, Emmanuel Gikunoo, Frank Ofori Agyemang, Kwadwo Mensah-Darkwa (2022). Thermochromic properties of composite materials made from polylactic acid reinforced with recovered liquid crystals from waste LCD/LED laptops screens. *Optical Materials*. https://doi.org/10.1016/j.optmat.2022.112485

38. Kwadwo Mensah-Darkwa, Frank Ofori Agyemang, Stefania Akromah, **Emmanuel Kwesi Arthur**, Fuseini Abdallah, Emmanuel Gikunoo (2021). A comparative study on the performance of activated carbon electrodes and activated carbon/titanium dioxide nanotubes hybrid electrodes. *Scientific African*. https://doi.org/10.1016/j.sciaf.2021.e00786

39. Douglas Siaw Baah, Emmanuel Gikunoo, Gordon Foli, **Emmanuel Kwesi Arthur**, Philomena Entsie (2021). Health risk assessment of trace metals in selected food crops at Abuakwa South Municipal, Ghana. *Environmental Monitoring and Assessment*. https://doi.org/10.1007/s10661-021-09373-8

40. Emmanuel Joel Aikins Abakah, Luis A. Gil-Alana, **Emmanuel Kwesi Arthur**, Aviral Kumar Tiwari (2021). Measuring volatility persistence in leveraged loan markets in the presence of structural breaks. *International Review of Economics & Finance*. https://doi.org/10.1016/j.iref.2021.11.016

41. Salifu Tahiru Azeko, **Emmanuel Kwesi Arthur**, Doan Pham Minh, Nathalie Lyczko, Ange Nzihou, Winston Oluwole Soboyejo (2021). Mechanical and Thermal Properties of Sustainable Composite Building Materials Produced by the Reprocessing of Low-Density Polyethylene, Biochar, Calcium Phosphate, and

Phosphogypsum Wastes. *Journal of Materials in Civil Engineering*. https://doi.org/10.1061/(asce)mt.1943-5533.0004021

42. Moses K Flomo, Salifu T Azeko, **Emmanuel K Arthur**, Jamal-Deen Kukurah, Kabiru Mustapha, Ebenezer Annan, Benjamin Agyei-Tuffour (2021). Reinforcement of cement mortar with recycled polyethylene waste for construction applications. *Journal of Composite Materials*. https://doi.org/10.1177/00219983211000249
43. Felix Odom, Emmanuel Gikunoo, **Emmanuel Kwesi Arthur**, Frank Ofori Agyemang, Kwadwo Mensah-Darkwa (2021). Stabilization of heavy metals in soil and leachate at Dompoase landfill site in Ghana. *Environmental Challenges*. https://doi.org/10.1016/j.envc.2021.100308
44. Rita Namoe Tabi, Frank Ofori Agyemang, Kwadwo Mensah-Darkwa, **Emmanuel Kwesi Arthur**, Emmanuel Gikunoo, Francis Momade (2021). Zeolite synthesis and its application in water defluorination. *Materials Chemistry and Physics*. https://doi.org/10.1016/j.matchemphys.2021.124229
45. **Emmanuel K. Arthur**, Emmanuel Gikunoo, Stefania Akromah, Salifu T. Azeko, Perseverance Dzikunu (2020). Alternative materials for grey cast iron corn-mill plates by computer-aided selection and weighted property methods: the case of Ghana. *SN Applied Sciences*. https://doi.org/10.1007/s42452-020-3174-5
46. **Emmanuel Kwesi Arthur**, Salome Mwongeli Musau, Festus Mithi Wanjohi (2020). Diaspora Remittances and Financial Inclusion in Kenya. *European Journal of Business Management and Research*. https://doi.org/10.24018/ejbmr.2020.5.2.289
47. **EK Arthur**, E Gikunoo, FO Agyemang, A Andrews (2020). Material selection for water pipes by the multi-objective decision-making method: the case of alternative materials for PVC pipes. *J. Sci. Technol*. https://www.researchgate.net/profile/Salifu-Azeko/publication/341120909_Material_Selection_for_Water_Pipes_by_the_Multi-Objective_Decision-Making_Method_The_Case_of_Alternative_Materials_for_PVC_Pipes/links/5eafef6592851cb267731354/Material-Selection-for-Water-Pipes-by-the-Multi-Objective-Decision-Making-Method-The-Case-of-Alternative-Materials-for-PVC-Pipes.pdf
48. **Emmanuel Arthur**, Fred Oppong Kyekyeku Anyemedu, Charles Gyamfi, Patricia Asantewaa - Tannor, Kwaku Amaning Adjei, Geophrey Kwame Anornu, Samuel Nii Odai (2020). Potential for small hydropower development in the Lower Pra River Basin, Ghana. *Journal of Hydrology Regional Studies*. https://doi.org/10.1016/j.ejrh.2020.100757
49. **E. K. Arthur**, E. Gikunoo (2020). Property analysis of thermal insulating materials made from Ghanaian anthill clay deposits. *Cogent Engineering*. https://doi.org/10.1080/23311916.2020.1827493
50. **Emmanuel Kwesi Arthur**, Salome Mwongeli Musau, Festus Mithi Wanjohi (2020). Remittances through formal and alternative channels and its effect on financial inclusion in Kenya. *International Journal of Research in Business and Social Science (2147-4478)*. https://doi.org/10.20525/ijrbs.v9i7.956
51. Philipa Opoku, Emmanuel Gikunoo, **Emmanuel Kwesi Arthur**, Gordon Foli (2020). Removal of selected heavy metals and metalloids from an artisanal gold mining site in Ghana using indigenous plant species. *Sustainable Environment*. https://doi.org/10.1080/23311843.2020.1840863
52. **Emmanuel K. Arthur**, Salifu T. Azeko (2020). Surface hardening of ferrous materials with cassava (Manihot spp.) waste: A review. *Scientific African*. https://doi.org/10.1016/j.sciaf.2020.e00483
53. E. K. Ampaw, **E. K. Arthur**, A. Y. Badmos, J. D. Obayemi, O. O. Adewoye, A. R. Adetunji, S. O. O. Olusunle, W. O. Soboyejo (2019). Sliding Wear Characteristics of Pack Cyanided Ductile Iron. *Journal of Materials Engineering and Performance*. https://doi.org/10.1007/s11665-019-04471-8
54. Salifu T. Azeko, **Emmanuel K. Arthur**, Yiporo Danyuo, Mohammed Babagana (2018). Mechanical and Physical Properties of Laterite Bricks Reinforced with Reprocessed Polyethylene Waste for Building Applications. *Journal of Materials in Civil Engineering*. https://doi.org/10.1061/(asce)mt.1943-5533.0002205
55. **E. K. Arthur**, E. Ampaw, M. G. Zebaze Kana, A. R. Adetunji, O. O. Adewoye, W. O. Soboyejo (2016). Surface Hardening of AISI 8620 Steel with Cassava (Manihot spp.) Waste. *Waste and Biomass Valorization*. https://doi.org/10.1007/s12649-016-9479-3

56. **E.K. Arthur**, E. Ampaw, K.J. Akinluwade, A.R. Adetunji, O.O. Adewoye, Winston O. Soboyejo (2015). Carbon and Nitrogen Concentration Profiles of Cassava-Pack Carbonitrided Steel: Model and Experiment. *Advanced materials research*. https://doi.org/10.4028/www.scientific.net/amr.1132.313

57. E.K. Ampaw, **E.K. Arthur**, O.O. Adewoye, A.R. Adetunji, S.O.O. Olusunle, Winston O. Soboyejo (2015). Carbonitriding "Pack Cyaniding" of Ductile Irons. *Advanced materials research*. https://doi.org/10.4028/www.scientific.net/amr.1132.330

58. **E.K. Arthur**, E. Ampaw, M.G. Zebaze Kana, K.J. Akinluwade, A.R. Adetunji, O.O. Adewoye, W.O. Soboyejo (2015). Indentation size effects in pack carbo-nitrided AISI 8620 steels. *Materials Science and Engineering A*. https://doi.org/10.1016/j.msea.2015.07.040

59. **Emmanuel Kwesi Arthur**, Edward Ampaw, M. G. Zebaze Kana, A. R. Adetunji, S. O. O. Olusunle, O. O. Adewoye, W. O. Soboyejo (2015). Nano- and Macro-wear of Bio-carbo-nitrided AISI 8620 Steel Surfaces. *Metallurgical and Materials Transactions A*. https://doi.org/10.1007/s11661-015-3189-5

60. **EK Arthur** (2014). Design and fabrication of a single slope solar still with variable collector angle. *Int J Sci Eng Res*. https://www.researchgate.net/profile/John-Obayemi/publication/259977766_Design_and_Fabrication_of_a_Single_Slope_Solar_Still_with_Variable_Collector_Angle/links/60250cae458515893997bc95/Design-and-Fabrication-of-a-Single-Slope-Solar-Still-with-Variable-Collector-Angle.pdf

61. **EK Arthur** (2013). Modification of a multiple decrement model and its significance: A case study of northern Ghana. *International Journal of Probability and Statistics*. https://www.academia.edu/download/32174056/Published_Paper_on_Multiple_Decrement.pdf

62. B Agyei-Tuffour, E Annan, **E Arthur** (2013). UNTRADITIONAL SYNTHESIS OF BORON-CONTAINING SUPERHARD AND REFRACTORY MATERIALS-A REVIEW. *Global journal of Engineering*. https://kwasuspace.kwasu.edu.ng/handle/123456789/3141

63. B Agyei-Tuffour, E Annan, **E Arthur** (2013). Untraditional synthesis of Ni-based alloys for medical application. *ARPN Journal of Engineering and Applied Sciences*. https://kwasuspace.kwasu.edu.ng/handle/123456789/3087

64. **E Arthur** (2012). the impact of customer relationship management on repurchase: A Golden Tulip Hotel Study. *African Journal of Marketing Management*. https://scholar.google.com/scholar?cluster=12363292160361879 65&hl=en&oi=scholarr

65. **EK Arthur** (2011). Abrasive Wear Studies of Pack Cyanided Mild Steel (PCMS). *A master's thesis submitted to the academic affairs and other administrative units of african university of science and tenhnology, Abuja*. https://scholar.google.com/scholar?cluster=3920831515871262 67&hl=en&oi=scholarr

Reports 2

1. Akwasi Acheampong, AFA Marfo, A Brobbey, **EK Arthur**, MK Baah, E Bessah, Gordon A Awandare (2021). Scientific African. *Scientific African*. https://www.researchgate.net/profile/Temitope-D-Timothy-Oyedotun/publication/356402866_Household_Waste_Generation_Change_in_Waste_Composition_and_the_Exposure_to_COVID-19_in_Guyana_and_Nigeria/links/619fb8b1d7d1af224b241a9b/Household-Waste-Generation-Change-in-Waste-Composition-and-the-Exposure-to-COVID-19-in-Guyana-and-Nigeria.pdf?_sg%5B0%5D=started_experiment_milestone&origin=journalDetail

2. **Emmanuel Kwesi Arthur** (2016). A maiden edition of AUSTECH 2015 International Conference Book of Abstracts. *African University of Science and Technology*. http://repository.aust.edu.ng/xmlui/handle/123456789/330