Nathaniel Owusu Boadi

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RESEARCH

Interests: Inorganic chemistry · Environmental Chemistry · Materials Chemistry

Areas: Materials Chemistry · Electrical and Electronic Engineering · Pollution · Water Science and Technology · Health, Toxicology and Mutagenesis · Food Science

RESEARCH SUMMARY

75	1,443	21	36	1.79	16%
Publications	Citations	h-index	i10-index	Field-weighted impact	World top 10%

Counted from the 75 publications listed below, 2009–2026. Field-weighted impact is the mean over the 64 works scored for it; 1.00 is the world average for works of the same field, type and year. 10 of the 64 papers scored for it are among the world's most cited tenth for their field, type and year.

POSITIONS

Professor 2021–present
Department of Chemistry, Kwame Nkrumah university of science and technology, Kumasi, Ghana

Associate Professor 2018–present
Chemistry, Kwame Nkrumah University of Science and Technology, Kumasi, Ghana

Senior Lecturer 2012–2018
Chemistry, Kwame Nkrumah University of Science and Technology, Kumasi, Ghana

Visiting Academic 2011–2013
Chemistry, University of Manchester, Manchester, United Kingdom

Lecturer 2007–2012
Chemistry, Kwame Nkrumah University of Science and Technology, Kumasi, Ghana

EDUCATION AND QUALIFICATIONS

PhD 2011–2015
Chemistry, Kwame Nkrumah University of Science and Technology, Kumasi, Ghana

PUBLICATIONS

Journal articles 74

1. Leticia Dassah Guba, **Nathaniel Owusu Boadi**, Selina Ama Saah, Eric Agorku Selorm, Mercy Badu, Harry Okyere, Nii Korley Kortei (2026). Human Health Risk Assessment of Heavy Metals in Muscle, Liver, Bone, and Lard from Pork Samples Obtained in Ghana. *Chemistry Africa*. https://doi.org/10.1007/s42250-025-01576-7
2. Richard Tsiwah Cobbinah, Gerheart Winfred Ashong, **Nathaniel Owusu Boadi**, Edward Ebow Kwaansa-Ansah, Emmanuel Bonney, Martin Owusu Asante (2026). Occurrence, source identification, and implications of human and ecological risks of potentially toxic elements in sediments from Keta Lagoon, Ghana. *Discover Water*. https://doi.org/10.1007/s43832-026-00409-z

3. Richard Tsiwah Cobbinah, **Nathaniel Owusu Boadi**, Selina Ama Saah, Eric Selorm Agorku, Mercy Badu, Nii Korley Kortei (2025). Cancer risk from heavy metal contamination in fish and implications for public health. *Scientific Reports*. https://doi.org/10.1038/s41598-025-08488-z

4. Kofi Duodu, Gerheart Winfred Ashong, Tsoeke Roland Agbetsi, Jonah Wuloh, Ahmed Kangmennaa, Charity Ohemaa Agyapong, **Nathaniel Owusu Boadi**, Eric Selorm Agorku (2025). Congo red adsorption in water using a novel nano zero-valent iron intercalated Zn–Al–CO3 layered double hydroxide: adsorption isotherm, kinetics and thermodynamics. *Discover Applied Sciences*. https://doi.org/10.1007/s42452-025-06616-y

5. Felix Odame, **Nathaniel Owusu Boadi**, Salifu Nanga, Albert Aniagyei, Eric Hosten (2025). Crystal structures, computational studies, and Hirshfeld surface analysis on 7-hydroxy-4-methyl-2H-chromen-2-one and 7-hydroxy-4-methyl-8-nitro-2H-chromen-2-one. *European Journal of Chemistry*. https://doi.org/10.5155/eurjchem.16.3.275-286.2674

6. Lilian Sarpong, **Nathaniel Owusu Boadi**, Osei Akoto (2025). Ecological and public health estimations of potentially toxic elements in soils from an abandoned dumpsite in a tropical climatic zone. *International Journal of Environmental & Analytical Chemistry*. https://doi.org/10.1080/03067319.2025.2515612

7. Kofi Duodu, Gerheart Winfred Ashong, Francis Opoku, **Nathaniel Owusu Boadi**, Eric Selorm Agorku (2025). Equilibrium, kinetic and thermodynamic studies of the adsorption of Congo red on nZVI/Zn-Al layered double hydroxide intercalated with PO43− ion. *Discover Sustainability*. https://doi.org/10.1007/s43621-025-00979-3

8. Akua Gyamfi, Randolf Benle, Michael Konney Laryea, **Mercy Badu**, Lawrence Sheringham Borquaye (2025). Essential Oil Emulsions from Xylopia Villosa and Hyparrhena Rufa as Potent Antimicrobial and Antibiofilm Agents. *Chemistry Africa*. https://doi.org/10.1007/s42250-025-01459-x

9. Collins NIMAKO, Osei AKOTO, **Nathaniel BOADI**, Prince OFORI, Yared B. YOHANNES, Shouta M.M. NAKAYAMA, Yoshinori IKENAKA, Mayumi ISHIZUKA (2025). Exploring the intricacies of indoor dust pollution from neonicotinoid insecticides and its human health impacts: An exemplar from eleven agricultural communities in Ghana, West Africa. *Journal of Hazardous Materials*. https://doi.org/10.1016/j.jhazmat.2025.140172

10. Selina Ama Saah, **Nathaniel Owusu Boadi**, Sonia Quansah, Mary Adams, Mandela Toku (2025). Facile synthesis of 1D ZnO nanocrystals exploiting zinc oleate single source precursor. *MRS Advances*. https://doi.org/10.1557/s43580-025-01434-1

11. Rebecca Akuffo Boafoa Addo, Akua Gyamfi, **Nathaniel Owusu Boadi**, Michael Konney Laryea, Mercy Badu, Lawrence Sheringham Borquaye (2025). Nanoemulsion encapsulation improves the stability and antibacterial efficacy of orange (Citrus x sinensis) peel essential oil. *Discover Chemistry.*. https://doi.org/10.1007/s44371-025-00383-w

12. Selina Ama Saah, **Nathaniel Owusu Boadi**, Johannes A. M. Awudza (2025). Nickel piperidine dithiocarbamate: synthesis, characterization, and crystal structure. *Molecular Crystals and Liquid Crystals*. https://doi.org/10.1080/15421406.2025.2569492

13. Patrick O. Sakyi, Selina A. Saah, Prince Baddor, Jacqueline Adu Gyamfi, **Nathaniel O. Boadi**, Emmanuel Broni, Whelton A. Miller III, Paul Q. Somiah, Samuel K. Kwofie (2024). Bioprospecting of potential inhibitors of 5alpha reductase 2 inhibitors from relevant ethno-pharmacological plants via in silico techniques. *Scientific African*. https://doi.org/10.1016/j.sciaf.2024.e02264

14. Norbert J. Jindor, Leticia P. Amenorfe, Ahmed Kangmennaa, Richard B. Forkuo, Harry Okyere, **Nathaniel O. Boadi**, Francis Opoku, Anthony A. Adimado, Eric S. Agorku (2024). Clay-Loaded Starch-Grafted Chitosan as Environmentally Controlled Release Material for Atrazine. *Applied and Environmental Soil Science*. https://doi.org/10.1155/aess/9985874

15. L. Sarpong, **N. O. Boadi**, C. Nimako, N. Bortey–Sam, O. Akoto (2024). Contamination, health risk assessment, and spatial distribution of heavy metals in soils from gold mining district, Ghana. *International Journal of Environmental Science and Technology*. https://doi.org/10.1007/s13762-024-06173-8

16. Bernice Amponsah, **Nathaniel Owusu Boadi**, Selina Ama Saah, Patrick Opare Sakyi, Eric Selorm Agorku, Harry Okyere, Andrew Nyamful (2024). Evaluation of groundwater quality in communities near Sokoban

Wood Village. *Heliyon*. https://doi.org/10.1016/j.heliyon.2024.e32757

17. Selina Ama Saah, **Nathaniel Owusu Boadi**, Patrick Opare Sakyi, Euphemia Quanuaa Smith (2024). Human health risks of lead, cadmium, and other heavy metals in lipsticks. *Heliyon*. https://doi.org/10.1016/j.heliyon.2024.e40576
18. Stephen Tweneboah Kodua, **Nathaniel Owusu Boadi**, Mercy Badu (2024). Optimization of the Reaction Conditions in Biodiesel Production: The Case of Baobab Seed Oil as Alternative Feedstock. *Journal of Chemistry*. https://doi.org/10.1155/joch/1498240
19. **NO Boadi** (2024). Pb((SePiPr2)2N(S2CNEt2) complex to lead chalcogenide nanoparticles: A pyrolysis approach. *Chemistry International*.
20. Selina Ama Saah, Patrick Opare Sakyi, **Nathaniel Owusu Boadi**, Franklyn Addai Tieku, Ampem Kwabena Boampong (2024). Solventless Synthesis of Zinc Sulphide Nanoparticles from Zinc Bis(diethyldithiocarbamate) as a Single Source Precursor. *ChemistryOpen*. https://doi.org/10.1002/open.202400050
21. Selina Ama Saah, **Nathaniel Owusu Boadi**, Johannes A. M. Awudza (2024). Trivalent bismuth xanthates: Synthesis and characterization. *MRS Advances*. https://doi.org/10.1557/s43580-024-00985-z
22. Lilian Sarpong, **Nathaniel Owusu Boadi**, Osei Akoto (2023). An analysis of the foremost issues with artisanal and small-scale gold mining from Ghana's perspective. *Environmental Monitoring and Assessment*. https://doi.org/10.1007/s10661-023-12016-9
23. **Nathaniel Owusu Boadi**, Selina Ama Saah, Mercy Badu, Frimpomah Baa-Poku, Felix Odame, Patrick Opare Sakyi (2023). Assessment of sachet water quality in Kumasi, Ghana. *Discover Water*. https://doi.org/10.1007/s43832-023-00048-8
24. Selina A. Saah, Patrick O. Sakyi, David Adu-Poku, **Nathaniel O. Boadi**, Gideon Djan, Desmond Amponsah, Robert N. O. A. Devine, Kojo Ayittey (2023). Docking and Molecular Dynamics Identify Leads against 5 Alpha Reductase 2 for Benign Prostate Hyperplasia Treatment. *Journal of Chemistry*. https://doi.org/10.1155/2023/8880213
25. Lilian Sarpong, **Nathaniel Owusu Boadi**, Osei Akoto (2023). Metal Fractionation and Leaching in Soils from a Gold Mining Area in the Equatorial Rainforest Zone. *Journal of Chemistry*. https://doi.org/10.1155/2023/3542165
26. Jonah Wuloh, Eric Selorm Agorku, **Nathaniel Owusu Boadi** (2023). Modification of Metal Oxide Semiconductor Gas Sensors Using Conducting Polymer Materials. *Journal of Sensors*. https://doi.org/10.1155/2023/7427986
27. Osei Akoto, Salome Yakubu, Linda A. Ofori, Nesta Bortey-sam, **Nathaniel O. Boadi**, Jonathan Horgah, Lyndon N.A. Sackey (2023). Multivariate studies and heavy metal pollution in soil from gold mining area. *Heliyon*. https://doi.org/10.1016/j.heliyon.2022.e12661
28. Felix Odame, Tatenda Madanhire, Jerry Joe Ebo Kingsley Harrison, **Nathaniel Owusu Boadi**, Eric Hosten (2023). Synthesis, computational studies, and Hirshfeld surface analysis of 2H-chromen-2-one and imine derivatives. *European Journal of Chemistry*. https://doi.org/10.5155/eurjchem.14.2.287-296.2389
29. Collins Nimako, Takahiro Ichise, Hiroshi Hasegawa, Osei Akoto, **Nathaniel O. Boadi**, Kumiko Taira, Kazutoshi Fujioka, Norikazu Isoda, Shouta M.M. Nakayama, Mayumi Ishizuka, Yoshinori Ikenaka (2022). Assessment of ameliorative effects of organic dietary interventions on neonicotinoid exposure rates in a Japanese population. *Environment International*. https://doi.org/10.1016/j.envint.2022.107169
30. Nii Korley Kortei, Theophilus Annan, Vincent Kyei-Baffour, Edward Ken Essuman, Adjoa Agyemang Boakye, Clement Okraku Tettey, **Nathaniel Owusu Boadi** (2022). Exposure assessment and cancer risk characterization of aflatoxin M1 (AFM1) through ingestion of raw cow milk in southern Ghana. *Toxicology Reports*. https://doi.org/10.1016/j.toxrep.2022.05.015
31. Selina A. Saah, **Nathaniel O. Boadi**, Johannes A.M. Awudza (2022). Facile synthesis of PbS, Bi2S3 and Bi-doped PbS nanoparticles from metal piperidine dithiocarbamates complexes. *Results in Chemistry*. https://doi.org/10.1016/j.rechem.2022.100618
32. Michael. B. Mensah, **Nathaniel O. Boadi**, Johannes A. M. Awudza (2022). Growth Kinetics of Zinc

Sulphide Nanocrystals Synthesized by Colloidal Thermolysis of Fatty Acid Carboxylates. *Journal of Chemistry*. https://doi.org/10.1155/2022/9384592

33. Caleb Nketia Mensah, Gilbert Boadu Ampomah, Jehoshaphat Oppong Mensah, Edward Ntim Gasu, Caleb Impraim Aboagye, Edmund Ekuadzi, **Nathaniel Owusu Boadi**, Lawrence Sheringham Borquaye (2022). N-alkylimidazole derivatives as potential inhibitors of quorum sensing in Pseudomonas aeruginosa. *Heliyon*. https://doi.org/10.1016/j.heliyon.2022.e12581
34. Selina Ama Saah, **Nathaniel Owusu Boadi**, Patrick Opare Sakyi, Godfred Darko, Michael Baah Mensah (2022). Risk of Exposure to Trace Elements through the Application of Facial Makeup Powders. *Journal of Chemistry*. https://doi.org/10.1155/2022/9229134
35. Selina Ama Saah, **Nathaniel Owusu Boadi**, Johannes A. M. Awudza, Neerish Revaprasadu (2022). Structural influence of nitrogen adducts on the morphology of bismuth sulfide thin films. *MRS Advances*. https://doi.org/10.1557/s43580-022-00343-x
36. Patience Adei Kotei, **Nathaniel Owusu Boadi**, Selina Ama Saah, Michael Baah Mensah (2022). Synthesis of Nickel Sulfide Thin Films and Nanocrystals from the Nickel Ethyl Xanthate Complex. *Advances in Materials Science and Engineering*. https://doi.org/10.1155/2022/6587934
37. **Nathaniel Owusu Boadi**, Mawuli Degbevi, Selina Ama Saah, Mercy Badu, Lawrence Sheringham Borquaye, Nii Korley Kortei (2021). Antimicrobial properties of metal piperidine dithiocarbamate complexes against Staphylococcus aureus and Candida albicans. *Scientific African*. https://doi.org/10.1016/j.sciaf.2021.e00846
38. Michael B. Mensah, Henry Jumpah, **Nathaniel O. Boadi**, Johannes A.M. Awudza (2021). Assessment of quantities and composition of corn stover in Ghana and their conversion into bioethanol. *Scientific African*. https://doi.org/10.1016/j.sciaf.2021.e00731
39. M. Djibrilla Alio Sanda, Mercy Badu, Awudza, Johannes A. M., **Boadi, Nathaniel O.** (2021). Development of TiO2-based dye-sensitized solar cells using natural dyes extracted from some plant-based materials. *Zenodo (CERN European Organization for Nuclear Research)*. https://doi.org/10.5281/zenodo.4018011
40. Michael B. Mensah, David J. Lewis, **Nathaniel O. Boadi**, Johannes A. M. Awudza (2021). Heavy metal pollution and the role of inorganic nanomaterials in environmental remediation. *Royal Society Open Science*. https://doi.org/10.1098/rsos.201485
41. **Nathaniel Owusu Boadi**, Mercy Badu, Nii Korley Kortei, Selina Ama Saah, Benjamin Annor, Michael Baah Mensah, Harry Okyere, Alphonse Fiebor (2021). Nutritional composition and antioxidant properties of three varieties of carrot (Daucus carota). *Scientific African*. https://doi.org/10.1016/j.sciaf.2021.e00801
42. Theophilus Fadjare Frempong, **Nathaniel Owusu Boadi**, Mercy Badu (2021). Optimization of extraction conditions for polyphenols from the stem bark of Funtumia elastica (Funtum) utilizing response surface methodology. *AAS Open Research*. https://doi.org/10.12688/aasopenres.13284.1
43. Theophilus Fadjare Frempong, Mercy Badu, Vivian Etsiapa Boamah, Isaac Kingsley Amponsah, Blessed Agbemade, Ransford Appianin Boateng, **Nathaniel Owusu Boadi** (2021). Phenolic Content, Antioxidant Properties and Antimicrobial Activities of the Extracts from Funtumia africana and Funtumia elastica. *Chemistry Africa*. https://doi.org/10.1007/s42250-021-00249-5
44. Mercy Badu, Mary-Magdalene Pedavoah, **Nathaniel O Boadi**, Irene Y Dzaye (2021). Proximate Composition, In vitro Antioxidant and Anti-inflammatory Properties of Adansonia digitata and Belanites aegyptiaca Seeds. *Journal Of Tropical Pharmacy And Chemistry*. https://doi.org/10.25026/jtpc.v5i4.296
45. **Nathaniel Owusu Boadi** (2021). Transesterification of palm kernel oil using calcium oxide as catalyst. *International Journal of Chemical and Biochemical Sciences*. https://www.academia.edu/download/71991970/1_IJCBS_21_19_1.pdf
46. **Nathaniel Owusu Boadi**, Selina Ama Saah, Michael Baah Mensah, Johannes A. M. Awudza (2020). Aerosol-Assisted Chemical Vapour Deposition of Lead Chalcogenide Thin Films from [Pb((SePiPr2)2N)(S2CNHexMe)]. *Advances in Materials Science and Engineering*. https://doi.org/10.1155/2020/8881921
47. Nii Korley Kortei, Marcus Ekow Heymann, Edward Ken Essuman, Fidelis Mawunyo Kpodo, Papa Toah Akonor, Sylvester Yao Lokpo, **Nathaniel Owusu Boadi**, Matilda Ayim-Akonor, Clement Tettey (2020).

Health risk assessment and levels of toxic metals in fishes (Oreochromis noliticus and Clarias anguillaris) from Ankobrah and Pra basins: Impact of illegal mining activities on food safety. *Toxicology Reports*. https://doi.org/10.1016/j.toxrep.2020.02.011

48. Nii Korley Kortei, Alice Koryo-Dabrah, Papa Toah Akonor, Nana Yaw Barimah Manaphraim, Matilda Ayim-Akonor, **Nathaniel Owusu Boadi**, Edward Ken Essuman, Clement Tettey (2020). Potential health risk assessment of toxic metals contamination in clay eaten as pica (geophagia) among pregnant women of Ho in the Volta Region of Ghana. *BMC Pregnancy and Childbirth*. https://doi.org/10.1186/s12884-020-02857-4

49. **Nathaniel Owusu Boadi**, Selina Ama Saah, Frimpomah Baa-Poku, Ebenezer Adom Mensah, Malik Addo (2020). Safety of borehole water as an alternative drinking water source. *Scientific African*. https://doi.org/10.1016/j.sciaf.2020.e00657

50. **Nathaniel Owusu Boadi**, Selina Ama Saah, Johannes A. M. Awudza (2020). Synthesis of a Novel Single-Source Precursor for the Production of Lead Chalcogenide Thin Films. *Journal of Chemistry*. https://doi.org/10.1155/2020/8349549

51. Michael Baah Mensah, **NO Boadi**, M Badu (2019). Characterization of latex from trees in the Bobiri forest of Ghana. *International Scientific Organization*. https://www.researchgate.net/profile/Nathaniel-Boadi/publication/334638922_Characterization_of_latex_from_trees_in_the_Bobiri_forest_of_Ghana/links/5d378ac6a6fdcc370a5a2d1b/Characterization-of-latex-from-trees-in-the-Bobiri-forest-of-Ghana.pdf

52. Selina Ama Saah, **Nathaniel Owusu Boadi**, Christopher Wilkins (2019). Deposition of PbS Thin Films from Lead Hexadecyl and Octadecyl Xanthate Complexes Using the Spin Coating Method. *MRS Advances*. https://doi.org/10.1557/adv.2019.106

53. **Nathaniel O. Boadi**, Selina A. Saah, Madeleine Helliwell, Johannes A. M. Awudza (2019). Hot-Injection Synthesis of PbE (E= S, Se) Nanoparticles from Dichalcogenoimidophosphinato Lead (II) Complexes. *ChemistrySelect*. https://doi.org/10.1002/slct.201903649

54. S. A. Saah, **N. O. Boadi**, D. Adu-Poku, C. Wilkins (2019). Lead ethyl dithiocarbamates: efficient single-source precursors to PbS nanocubes. *Royal Society Open Science*. https://doi.org/10.1098/rsos.190943

55. **Nathaniel Owusu Boadi**, Lawrence Sheringham Borquaye, Godfred Darko, David Dotse Wemegah, Dodzi Agorsor, Randy Akrofi (2018). Assessment of the quality of the Owabi reservoir and its tributaries. *Cogent Food & Agriculture*. https://doi.org/10.1080/23311932.2018.1492360

56. Mary-Magdalene Pedavoah, Mercy Badu, **Nathaniel O. Boadi**, Johannes A. M. Awudza (2018). Green Bio-Based CaO from Guinea Fowl Eggshells. *Green and Sustainable Chemistry*. https://doi.org/10.4236/gsc.2018.82015

57. Vincent Kwadwo Bolor, **Nathaniel Owusu Boadi**, Lawrence Sheringham Borquaye, Samuel Afful (2018). Human Risk Assessment of Organochlorine Pesticide Residues in Vegetables from Kumasi, Ghana. *Journal of Chemistry*. https://doi.org/10.1155/2018/3269065

58. Frederick Forkuoh, **Nathaniel Owusu Boadi**, Lawrence Sheringham Borquaye, Samuel Afful (2018). Risk Of Human Dietary Exposure To Organochlorine Pesticide Residues In Fruits From Ghana. *Scientific Reports*. https://doi.org/10.1038/s41598-018-35205-w

59. **NO Boadi** (2016). Assessment of Organochlorine Pesticides in Cocoa Beans from Ashanti and Brong Ahafo Regions of Ghana. *IJRDO-Journal of Applied Science*.

60. MB Mensah, **NO Boadi**, DD Wemegah, M Badu (2016). Physicochemical Properties and Levels of Heavy Metals in Selected Rivers within the Kumasi Metropolis of Ghana. *International Journal of Science and Technology*.

61. **Nathaniel Owusu Boadi** (2016). Phytochemical screening, antimicrobial and antioxidant properties of assorted Carica papaya leaves in Ghana. *Journal of Medicinal Plants Studies*. https://www.academia.edu/download/76955116/4-6-6-858.pdf

62. **Nathaniel Owusu Boadi**, Paul D. McNaughter, Madeleine Helliwell, M. Azad Malik, Johannes A.M. Awudza, Paul O'Brien (2016). The deposition of PbS and PbSe thin films from lead dichalcogenoimidophosphinates by AACVD. *Inorganica Chimica Acta*. https://doi.org/10.1016/j.ica.

2016.08.023

63. M Badu, **NO Boadi** (2014). Evaluation of adsorption of textile dyes by wood sawdust. *Research Journal of Physical and Applied Sciences*. https://www.researchgate.net/profile/Isaac-Boateng/publication/311645547_Evaluation_of_adsorption_of_textile_dyes_by_wood_sawdust/links/5851cddc08ae7d33e0183a35/Evaluation-of-adsorption-of-textile-dyes-by-wood-sawdust.pdf

64. **NO Boadi** (2014). Physicochemical and Microbial Properties of Sachet Water in the Kumasi Metropolis of Ghana. *Ghana Journal of Chemistry*. https://scholar.google.com/scholar?cluster=2285241470213317075&hl=en&oi=scholarr

65. M Badu, DD Wemegah, **NO Boadi** (2013). Assessment of the nutrient load and selected heavy metals in the Owabi reservoir and its feeder waters. *American Journal of Scientific and Industrial Research*. https://www.scihub.org/AJSIR/PDF/2013/4/AJSIR-4-4-337-343.pdf

66. **NO Boadi**, M Badu, JK Mensah (2013). Effect of Mercury on the Proximate Composition of Maize (Zea mays L.). *Journal of Agricultural Science and Technology B*. https://www.academia.edu/download/31798127/Volume_3__Number_7B__2013.pdf#page=33

67. M Badu, JK Mensah, **NO BOADI** (2012). ANTIOXIDANT ACTIVITY OF METHANOL AND ETHANOL/WATER EXTRACTS OF TETRAPLEURA TETRAPTERA AND PARKIA BIGLOBOSA. *International Journal of Pharma and Biosciences*. https://doi.org/10.5555/20123374966

68. **Nathaniel Boadi**, John Mensah, Sylvester Twumasi, Mercy Badu, Irene Osei (2012). Levels of selected heavy metals in canned tomato paste sold in Ghana. *Food Additives and Contaminants Part B*. https://doi.org/10.1080/19393210.2012.657250

69. **Nathaniel Owusu Boadi**, Mohammad Azad Malik, Paul O'Brien, Johannes A. M. Awudza (2012). Single source molecular precursor routes to lead chalcogenides. *Dalton Transactions*. https://doi.org/10.1039/c2dt30849e

70. Mercy Badu, Sylvester K. Twumasi, **Nathaniel O. Boadi** (2011). Effects of Lignocellulosic in Wood Used as Substrate on the Quality and Yield of Mushrooms. *Food and Nutrition Sciences*. https://doi.org/10.4236/fns.2011.27107

71. **N. Boadi**, S. Twumasi (2011). Heavy metal contamination in canned fish marketed in Ghana. *American Journal of Scientific and Industrial Research*. https://doi.org/10.5251/ajsir.2011.2.6.877.882

72. Osei Akoto, Fredrick Appiah, **Nathaniel Owusu Boadi** (2011). Physicochemical Analysis of Roof Runoffs from the Obuasi Area. *Water Practice & Technology*. https://doi.org/10.2166/wpt.2011.003

73. Marian Asantewah Nkansah, **Nathaniel Owusu Boadi**, Mercy Badu (2010). Assessment of the Quality of Water from Hand-Dug Wells in Ghana. *Environmental Health Insights*. https://doi.org/10.4137/ehi.s3149

74. **Nathaniel Owusu Boadi**, Sylvester Twumasi, James H. Ephraim (2009). Impact of Cyanide Utilization in Mining on the Environment. *Bioline International (Bioline International)*. https://doi.org/10.22059/ijer.2009.37

Book chapters 1

1. Michael Baah Mensah, Michael Boadu, Ebenezer Owusu Afriyie, Elizabeth Adu, **Nathaniel Owusu Boadi**, Johannes A.M. Awudza, David J. Lewis (2024). Hybrid metal sulfide nanomaterials for the removal of heavy metal water contaminants. *Elsevier eBooks*. https://doi.org/10.1016/b978-0-443-13464-7.00011-6