Samuel Bert Boadi-Kusi Od

Professor · Optometry
University of Cape Coast

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RESEARCH

Areas: Epidemiology · Ophthalmology · Radiology, Nuclear Medicine and Imaging · Public Health, Environmental and Occupational Health · Social Psychology · Cognitive Neuroscience

RESEARCH SUMMARY

59	790	17	29	1.79	12%
Publications	Citations	h-index	i10-index	Field-weighted impact	World top 10%

Counted from the 59 publications listed below, 1970–2026. Field-weighted impact is the mean over the 59 works scored for it; 1.00 is the world average for works of the same field, type and year. 7 of the 59 papers scored for it are among the world's most cited tenth for their field, type and year.

POSITIONS

Senior Lecturer 2010–present
Optometry and Vision Science, University of Cape Coast, Cape Coast, Ghana

EDUCATION AND QUALIFICATIONS

Ph.D Optometry 2013–2015
Discipline of Optometry, University of KwaZulu-Natal, Durban, South Africa

MPhil (Population and Health) 2010–2013
Population and Health, University of Cape Coast, Cape Coast, Ghana

Doctor of Optometry (OD) 2003–2009
Optometry, University of Cape Coast, Cape Coast, Ghana

PUBLICATIONS

Journal articles 59

1. Paul Owusu, Pious Tawiah Amoako, Randy Asiamah, Gideon Owusu, Joseph Mannyeya Sa-Ambo, Patrick Evans Agyiri, **Samuel Bert Boadi-Kusi**, Samuel Kyei (2026). Bibliometric mapping of the contribution of African optometry researchers to ophthalmic literature. *Clinical and Experimental Optometry*. https://doi.org/10.1080/08164622.2025.2601299
2. **Samuel Bert Boadi-Kusi**, Selina Holdbrook, Enyam Komla Morny, Randy Asiamah, Samuel Kyei, Emmanuella Konama Boahen, Rita Yelimaa Benyem (2026). Contrast sensitivity and stereoacuity predict road traffic accidents among drivers in Ghana: a case-control study. *BMC Public Health*. https://doi.org/10.1186/s12889-026-28786-z
3. Charles Darko-Takyi, Thomas Welbeck Mills, **Samuel Bert Boadi-Kusi**, Michael Ntodie, Carl Halladay Abraham, Emmanuel Kwasi Abu, Sedinam Amewuzah, Emmanuel Essien, Bright Osei Wiafe, Stephen Ocansey (2025). Association between near visual display device usage and the eye's accommodation and vergence parameters: a cross-sectional study of high school children in Cape Coast, Ghana. *BMJ Public Health*. https://doi.org/10.1136/bmjph-2025-003041
4. SAMUEL BERT BOADI-KUSI OD, Paul Owusu, Joseph Mannyeya Sa-Ambo, Gideon Owusu, Randy Asiamah, Rita Yelimaa Benyem, Pious Tawiah Amoako, Raphael Osei Owusu, Samuel Ankamah, **Samuel Bert Boadi-Kusi** (2025). Ranking of top 50 optometry academics in African universities by research

impact. *Clinical and Experimental Optometry*. https://doi.org/10.1080/08164622.2025.2540350

5. SAMUEL BERT BOADI-KUSI OD, Godwin Avornyo, Randy Asiamah, **Samuel B. Boadi-Kusi**, Michael Agyemang Kwarteng (2024). Dynamics of Myopia Progression in Ghana—Evidence From Clinical Practice: A Retrospective Cohort Study. *Health Science Reports*. https://doi.org/10.1002/hsr2.70273
6. SAMUEL BERT BOADI-KUSI OD, Dominic Kwarteng, Michael Ntodie, Patience Ayerakwah, **Samuel Bert Boadi-Kusi**, Khathutshelo Percy Mashige, Alex Ilechie (2024). Early assessment of vision-related quality of life predicts long-term spectacle-wear compliance. *Discover Public Health*. https://doi.org/10.1186/s12982-024-00307-6
7. SAMUEL BERT BOADI-KUSI OD, Rexford Kwasi Gyaami, John Baptist Abowine, Ebenezer Zaabaar, Augustine Nti, Kofi Asiedu, **Samuel Bert Boadi-Kusi**, Bismark Owusu-Afriyie, Frank Assiamah, Anthony Armah (2024). Epidemiology and demographic risk factors for myopia in Ghana: a 5-year retrospective study. *Discover Social Science and Health*. https://doi.org/10.1007/s44155-024-00081-5
8. SAMUEL BERT BOADI-KUSI OD, Rexford Kwasi Gyaami, John Baptist Abowine, Ebenezer Zaabaar, Kofi Asiedu, **Samuel Bert Boadi-Kusi**, Jacob Mensah Mesuh, Frank Assiamah, Anthony Armah, Patience Ansomah Ayerakwah (2024). Risk of major myopia-associated non-communicable ocular health disorders in Ghana. *PLoS ONE*. https://doi.org/10.1371/journal.pone.0297052
9. Carl Halladay Abraham, Godfred Sakyi-Badu, **Samuel Bert Boadi-Kusi**, Enyam Morny, Charles Darko-Takyi, Stephen Ocansey, Paa Kwesi Fynn Hope, Albert Kofi Dadzie, Asantewaa Aboagye MacCarthy, Kingsford Osei-Frimpong, Emmanuella Nyarkoa Opoku, Emmanuel Kwasi Abu (2024). Simulation of visual impairment in persons with normal vision for scientific research. *Ophthalmic and Physiological Optics*. https://doi.org/10.1111/opo.13268
10. Carl Halladay Abraham, Godfred Sakyi-Badu, **Samuel Bert Boadi-Kusi**, Charles Darko-Takyi, Stephen Ocansey, Emmanuel Kwasi Abu, Paa Kwesi Fynn Hope, Albert Kofi Dadzie, Asantewaa Aboagye MacCarthy, Kingsford Osei Frimpong, Emmanuella Nyarkoa Opoku (2024). The comparative benefits of text and page modification on the reading rates between sighted and moderate to severe visually impaired eyes. *British Journal of Visual Impairment*. https://doi.org/10.1177/02646196231225080
11. **Samuel Bert Boadi-Kusi**, Regina Obilie Amoako-Sakyi, Carl Halladay Abraham, Naa Adjeley Addo, Asantewaa Aboagye-McCarthy, Bright Opoku Gyan (2023). Access to public transport to persons with visual disability: A scoping review. *British Journal of Visual Impairment*. https://doi.org/10.1177/02646196231167072
12. Samuel Kyei, **Samuel Bert Boadi-Kusi**, Mary Nana Effriam-Menyah, Paulina Duah (2023). Effect of the Clinical Usage of Tetracaine Hydrochloride Ophthalmic Solution on Multiple Antibiotic Resistant Staphylococcus Aureus. *Integrated Health Research Journal*. https://doi.org/10.47963/ihrj.v1i1.1173
13. **Samuel Bert Boadi-Kusi**, Shadrack Asamoah, Ebenezer Zaabaar, Francisca Hammond, Christian Kobina Ackom (2023). Psychological Factors Associated With Visual Impairment. *Journal of Visual Impairment & Blindness*. https://doi.org/10.1177/0145482x231184435
14. **Samuel Bert Boadi-Kusi**, Princess Marie Aikins, Ebenezer Zaabaar, Anthony Gyimah Duku (2023). Visual function correlates of self-reported vision-related nighttime driving difficulties. *Journal of Optometry*. https://doi.org/10.1016/j.optom.2023.100506
15. SAMUEL BERT BOADI-KUSI OD, John Baptist Vianney Abowine, Ebenezer Zaabaar, **Samuel Bert Boadi-Kusi**, Frank Assiamah, Mohammed Abdul-Kabir, Kofi Asiedu (2022). Age- and sex-related differences in the measures of anterior segment parameters in a myopic clinical sample using Pentacam Scheimpflug tomography. *International Ophthalmology*. https://doi.org/10.1007/s10792-021-02192-3
16. Alex Ilechie, Thomas Mensah, Carl Halladay Abraham, Naa Adjeley Addo, Michael Ntodie, Stephen Ocansey, **Samuel Bert Boadi-Kusi**, Andrew Owusu-Ansah, Ngozi Ezinne (2022). Assessment of four validated questionnaires for screening of dry eye disease in an African cohort. *PubMed*. https://doi.org/10.1016/j.clae.2021.101468
17. SAMUEL BERT BOADI-KUSI OD, Ebenezer Zaabaar, **Samuel Bert Boadi-Kusi**, John Baptist Vianney Abowine, Maame Ama Amamoah Parkson Brew, Frank Assiamah, Kofi Asiedu (2022). Comparison of anterior segment parameters in myopia with and without primary open-angle glaucoma. *International Ophthalmology*. https://doi.org/10.1007/s10792-022-02627-5

18. Eugene B. Enimah, Urvashni Nirghin, **Samuel B. Boadi-Kusi**, Micheal Ntodie (2022). Determinants of traditional eye practices amongst rural dwellers in the Asikuma Odoben Brakwa District, Ghana. *African vision and eye health*. https://doi.org/10.4102/aveh.v81i1.678

19. Emmanuel K Abu, Amanfo O Ofori, **Samuel B Boadi-Kusi**, Stephen Ocansey, Richard K Yankah, Samuel Kyei, Asante Y Awuku (2022). Dry eye disease and meibomian gland dysfunction among a clinical sample of type 2 diabetes patients in Ghana. *African Health Sciences*. https://doi.org/10.4314/ahs.v22i1.36

20. Emmanuel K Abu, Odeefour A Ofori, **Samuel B Boadi-Kusi**, Stephen Ocansey, Richard K Yankah, Selassie K Dzasimatu, Asante Y Awuku (2022). Dry eye-related quality of life among type 2 diabetes patients: a hospital-based cross-sectional study. *Expert Review of Ophthalmology*. https://doi.org/10.1080/17469899.2022.2138345

21. Nyawira Mwangi, Kwesi Nyan Amissah-Arthur, Imoro Zeba Braimah, Osei Sarfo-Kantanka, Josephine Akpalu, Bridgid Akrofi, **Samuel Bert Boadi-Kusi**, Yacoba Atiase, Ernest Yorke, Michael Gichangi, Hannah Faal, James Addy (2022). International collaboration for the development of clinical guidelines in low and middle-income countries: case study on the development of a national framework and clinical guidelines for diabetic retinopathy in Ghana. *Eye*. https://doi.org/10.1038/s41433-022-02002-9

22. **Samuel Bert Boadi-Kusi**, Samuel Kyei, Selina Holdbrook, Emmanuel Kwasi Abu, Jonathan Ntow, Abena Mantebea Ateko (2021). A study of Ophthalmia Neonatorum in the Central Reion of Ghana: Causative Agents and Antibiotic Susceptibility Patterns. *Global Pediatric Health*. https://doi.org/10.1177/2333794x211019700

23. **Samuel Bert Boadi-Kusi**, Samuel Kyei, Stephen Ocansey, Michael Ntodie, Dziffa-Bella Ofori-Agyei, Khathutshelo Percy Mashige (2021). Assessment of infection prevention and control measures adopted by eye care practitioners in Ghana and South Africa against COVID-19. *Scientific African*. https://doi.org/10.1016/j.sciaf.2021.e00766

24. **Samuel Bert Boadi-Kusi**, Peter Osei-Wusu Adueming, Francisca Ama Hammond, Ebenezer Oduro Antiri (2021). Computer vision syndrome and its associated ergonomic factors among bank workers. *International Journal of Occupational Safety and Ergonomics*. https://doi.org/10.1080/10803548.2021.1897260

25. **Samuel Bert Boadi-Kusi**, Eric Austin, Sampson Listowell Abu, Selina Holdbrook, Enyam Komla Amewuho Morny (2021). Disability glare and nighttime driving performance among commercial drivers in Ghana. *Journal of Occupational Health*. https://doi.org/10.1002/1348-9585.12279

26. Carl Halladay Abraham, Stephen Ocansey, **Samuel Bert Boadi-Kusi**, Fateena Faheem, Bright Opoku Gyan, Yaa Agyewuo Nti, Mercy Berchie, Emmanuel Kwasi Abu (2021). Knowledge and practice of drivers on the provision of service to persons with visual disability: A survey of public transport drivers in a tertiary inclusion school in West Africa. *British Journal of Visual Impairment*. https://doi.org/10.1177/02646196211044969

27. **Samuel Bert Boadi-Kusi**, Selina Holdbrook, Samuel Kyei, Emmanuel Kwasi Abu (2021). Knowledge, Attitudes and Practices of Postnatal Mothers on Ophthalmia Neonatorum in the Central Region, Ghana. *Health Services Insights*. https://doi.org/10.1177/11786329211033248

28. Charles Darko-Takyi, Vanessa R. Moodley, **Samuel B. Boadi-Kusi** (2021). Normative Data for Nonstrabismic Binocular Vision Parameters in African Schoolchildren. *Optometry and Vision Science*. https://doi.org/10.1097/opx.0000000000001706

29. Charles Darko-Takyi, Vanessa R. Moodley, **Samuel B. Boadi-Kusi** (2021). Normative Data for Parameters of Accommodation in African Schoolchildren. *Optometry and Vision Science*. https://doi.org/10.1097/opx.0000000000001844

30. Carl Halladay Abraham, **Bert Boadi-Kusi**, Enyam Komla Amewuho Morny, Prince Agyekum (2021). Smartphone usage among people living with severe visual impairment and blindness. *Assistive Technology*. https://doi.org/10.1080/10400435.2021.1907485

31. Michael A. Kwarteng, Khathutshelo P. Mashige, Kovin S. Naidoo, **Samuel B. Boadi-Kusi**, Pirindhavellie Govender-Poonsamy (2021). The prevalence and causes of low vision and blindness amongst learners at the Akropong School for the Blind in Ghana. *African vision and eye health*. https://doi.org/10.4102/aveh.v80i1.611

32. Ebenezer Zaabaar, Samuel Kyei, Maame Ama Amamoah Parkson Brew, **Samuel Bert Boadi-Kusi**, Frank Assiamah, Kofi Asiedu (2021). The utility of measures of anterior segment parameters of a Pentacam Scheimpflug tomographer in discriminating high myopic astigmatism from keratoconus. *PLoS ONE*. https://doi.org/10.1371/journal.pone.0260648

33. Charles Darko-Takyi, Vanessa R. Moodley, **Samuel B. Boadi-Kusi** (2020). A review of normative data for parameters of functional non-strabismic binocular vision. *African vision and eye health*. https://doi.org/10.4102/aveh.v79i1.507

34. **Samuel Bert Boadi-Kusi**, Sampson Listowell Abu, George Oppong Acheampong, Peter Osei-Wusu Adueming, Emmanuel Kwasi Abu (2020). Association between Poor Ergophthalmologic Practices and Computer Vision Syndrome among University Administrative Staff in Ghana. *Journal of Environmental and Public Health*. https://doi.org/10.1155/2020/7516357

35. SAMUEL BERT BOADI-KUSI OD, Emmanuel Kwasi Abu, Andrew Owusu-Ansah, Shadrack Mensah, John Oduro-Boateng, Rene Abalo Kojo, Samuel Kyei, **Samuel Bert Boadi-Kusi**, Obed Amoah-Smith, Enyam Komla Amewuho Morny, Charles Darko-Takyi, Carl Halladay Abraham, Benjamin Appiah Nyamekye, Alex Azuka Ilechie (2020). Normative Values of Retinal Nerve Fibre Layer Thickness and Optic Nerve Head Parameters and Their Association with Visual Function in an African Population. *Journal of Ophthalmology*. https://doi.org/10.1155/2020/7150673

36. **Samuel B Boadi-kusi**, Edward Asiamah, Stephen Ocansey, Sampson L Abu (2020). Nutrition knowledge and dietary patterns in ophthalmic patients. *Clinical and Experimental Optometry*. https://doi.org/10.1111/cxo.13083

37. SAMUEL BERT BOADI-KUSI OD, Emmanuel Kwasi Abu, Carl Halladay Abraham, Andrew Owusu-Ansah, **Samuel Bert Boadi-Kusi**, Alex Azuka Ilechie, Desmond Omane Acheampong (2020). Ocular Symptoms of SARS-CoV-2: Indication of Possible Ocular Transmission or Viral Shedding. *Ocular Immunology and Inflammation*. https://doi.org/10.1080/09273948.2020.1799035

38. Enyam Komla Amewuho Morny, **Samuel Bert Boadi-Kusi**, Stephen Ocansey, Samuel Kyei, Kwame Yeboah, Maureen Adanna Mmaduagwu (2019). Assessing the Progress towards Achieving "VISION 2020: The Right to Sight" Initiative in Ghana. *Journal of Environmental and Public Health*. https://doi.org/10.1155/2019/3813298

39. Alex Azuka Ilechie, Samuel Abokyi, **Samuel Boadi-Kusi**, Eugene Enimah, Ezinne Ngozi (2019). Self-adjustable Spectacle Wearing Compliance and Associated Factors among Rural School Children in Ghana. *Optometry and Vision Science*. https://doi.org/10.1097/opx.0000000000001382

40. **Samuel Bert Boadi-Kusi**, Samuel Kyei, Emmanuel Duodu (2019). The use of sea water as a homemade remedy for infectious conjunctivitis-any cause for alarm? *Scientific African*. https://doi.org/10.1016/j.sciaf.2019.e00108

41. **Samuel Bert Boadi-Kusi**, Samuel Kyei, Vandyke Bright Okyere, Sampson Listowell Abu (2018). Factors influencing the decision of GHANAIAN optometry students to practice in rural areas after graduation. *BMC Medical Education*. https://doi.org/10.1186/s12909-018-1302-3

42. SAMUEL BERT BOADI-KUSI OD, Samuel Kyei, Ama Diafo, Kwabena Nkansah Darfor, **Samuel Bert Boadi-Kusi**, Peter B. Aglobitse (2016). Cost of the medical management and prescription pattern for primary open angle glaucoma (POAG) in Ghana–a retrospective cross-sectional study from three referral facilities. *BMC Health Services Research*. https://doi.org/10.1186/s12913-016-1528-x

43. Emmanuel Kwasi Abu, Johnson Nyarko Boampong, Joseph Kwame Amoabeng, Alex A. Ilechie, Samuel Kyei, Andrew Owusu-Ansah, **Samuel Bert Boadi-Kusi**, Benjamin Amoani, Irene Ayi (2016). Epidemiology of Ocular Toxoplasmosis in Three Community Surveys in the Central Region of Ghana, West Africa. *Ophthalmic Epidemiology*. https://doi.org/10.3109/09286586.2015.1089579

44. SAMUEL BERT BOADI-KUSI OD, Andrew Owusu-Ansah, **Samuel Bert Boadi-Kusi**, Dennis Nii Abbey, Emmanuel Kwasi Abu (2016). Occupational hazards correlates of ocular disorders in Ghanaian fisheries. *Healthcare in Low-resource Settings*. https://doi.org/10.4081/hls.2016.5482

45. Samuel Kyei, Yaw Asamoah, Felix Amoah, Stephen Ocansey, **Samuel Bert Boadi-Kusi** (2016). Ophthalmic diagnosis and medication use: How much do patients know? *New Frontiers in Ophthalmology*. https://doi.org/10.15761/nfo.1000111

46. **Samuel Bert Boadi-Kusi**, Rekha Hansraj, Khathutshelo Percy Mashige, Alfred Osafo-Kwaako, Alex Azuka Ilechie, Samuel Abokyi (2016). Prevalence and Causes of Visual Impairment and Blindness among Cocoa Farmers in Ghana. *Ophthalmic Epidemiology*. https://doi.org/10.1080/09286586.2016.1254805

47. C. Darko-Takyi, A. Owusu-Ansah, C. Appiah-Eduenu, E.K. Abu, **S.B. Boadi-Kusi**, Y. Osei-Akoto (2016). Refractive and binocular vision status of optometry students, Ghana. *Journal of Medical and Biomedical Sciences*. https://doi.org/10.4314/jmbs.v5i2.4

48. Emmanuel Kwasi Abu, Samuel Abokyi, Dorcas Obiri-Yeboah, Richard Kobina Dadzie Ephraim, Daniel Afedo, Lawrence Duah Agyeman, **Samuel Bert Boadi-Kusi** (2016). Retinal Microvasculopathy Is Common in HIV/AIDS Patients: A Cross-Sectional Study at the Cape Coast Teaching Hospital, Ghana. *Journal of Ophthalmology*. https://doi.org/10.1155/2016/8614095

49. **Samuel Bert Boadi-kusi**, Michael Ntodie, Khathutshelo Percy Mashige, Andrew Owusu-ansah, Kwaku Antwi osei (2015). A cross-sectional survey of optometrists and optometric practices in Ghana. *Clinical and Experimental Optometry*. https://doi.org/10.1111/cxo.12291

50. **Samuel B Boadi-Kusi**, Rekha Hansraj, Khathutshelo P Mashige, Alex Azuka Ilechie (2015). Factors associated with protective eyewear use among cocoa farmers in Ghana. *Injury Prevention*. https://doi.org/10.1136/injuryprev-2014-041531

51. EmmanuelKwasi Abu, **SamuelBert Boadi-Kusi**, PrinceOpuni Quarcoo, Samuel Kyei, Andrew Owusu-Ansah, Charles Darko-Takyi (2015). Ocular health and safety assessment among mechanics of the cape coast metropolis, Ghana. *Journal of Ophthalmic and Vision Research*. https://doi.org/10.4103/2008-322x.158890

52. Alex Azuka Ilechie, Samuel Abokyi, Andrew Owusu-Ansah, **Samuel Bert Boadi-Kusi**, Andrew Kofi Denkyira, Carl Halladay Abraham (2015). Self-refraction Accuracy with Adjustable Spectacles among Children in Ghana. *Optometry and Vision Science*. https://doi.org/10.1097/opx.0000000000000561

53. **Samuel Bert Boadi-Kusi**, Samuel Kyei, Frederick Afum Asare, Andrew Owusu-Ansah, Agnes Awuah, Charles Darko-Takyi (2015). Visual function among commercial vehicle drivers in the central region of Ghana. *Journal of Optometry*. https://doi.org/10.1016/j.optom.2015.06.004

54. **Samuel B Boadi-kusi**, Samuel Kyei, Khathutshelo P Mashige, Rekha Hansraj, Carl Halladay Abraham, Stephen Ocansey, Elvis L Agbedzie (2014). Awareness, knowledge and self-care practices toward glaucoma among final year health science university students in Ghana. *Clinical and Experimental Optometry*. https://doi.org/10.1111/cxo.12224

55. **Samuel Bert Boadi-Kusi**, Samuel Kyei, Khathutshelo Percy Mashige, Emmanuel Kwasi Abu, Daniel Antwi-Boasiako, Abraham Carl Halladay (2014). Demographic characteristics of Ghanaian optometry students and factors influencing their career choice and institution of learning. *Advances in Health Sciences Education*. https://doi.org/10.1007/s10459-014-9505-9

56. **Samuel Bert Boadi-Kusi**, Rekha Hansraj, Akwasi Kumi-Kyereme, Khathutshelo Percy Mashige, Kofi Awusabo-Asare, Stephen Ocansey, Samuel Kyei (2014). Ocular Health Assessment of Cocoa Farmers in a Rural Community in Ghana. *Journal of Agromedicine*. https://doi.org/10.1080/1059924x.2014.886537

57. Olalekan A. Oduntan, Khathutshelo P. Mashige, Franklin E. Kio, **Samuel B. Boadi-Kusi** (2013). Optometric Education in Africa. *Optometry and Vision Science*. https://doi.org/10.1097/opx.0000000000000153

58. GO Ovenseri-Ogbomo, S Ocansey, EK Abu, S Kyei, **SB Boadi-Kusi** (2012). Oculo-Visual Findings among Industrial Mine Workers at Goldfields Ghana Limited, Tarkwa. *Ophthalmology and Eye Diseases*. https://doi.org/10.4137/oed.s9204

59. **Samuel Bert Boadi-Kusi**, Michael Agyemang Kwarteng, Emmanuel Asubonteng (1970). Development and Validation of the Minnesota Low Vision Reading Test (MNRead) Acuity Chart for the Asante Twi Language. *African Health Sciences*. https://doi.org/10.4314/ahs.v19i4.15