

Ilechie Alex Azuka

Professor · Optometry
University of Cape Coast

Profile scholar.ucc.edu.gh/staff/5a972198-c10b-46c1-837f-402cba8f8af6

RESEARCH

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

RESEARCH SUMMARY

26	343	13	16	0.89	0%
Publications	Citations	h-index	i10-index	Field-weighted impact	World top 10%

Counted from the 26 publications listed below, 2011–2024. 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. 0 of the 26 papers scored for it are among the world's most cited tenth for their field, type and year.

PUBLICATIONS

Journal articles 26

1. 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>
2. Alex Ilechie, Naa Adjeley Addo, Elsie Aidoo, Anthony Armah, Fateena Faheem, Bismark A.A. Achimah (2024). Physical properties of soft contact lens multipurpose solutions commercially available in Ghana. *Heliyon*. <https://doi.org/10.1016/j.heliyon.2024.e32491>
3. 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>
4. Ngozika Esther Ezinne, Kingsley Kene Ekemiri, Gabrielle Nora Harbajan, Anesha Cameisha Crooks, Danquah Douglas, Alex Azuka Ilechie, Khathutshelo Percy Mashige (2022). Contact Lens Prescribing Patterns in a University Clinic in Trinidad and Tobago. *Vision*. <https://doi.org/10.3390/vision6030055>
5. Ngozika E. Ezinne, Dipesh Bhattarai, Kingsley K. Ekemiri, Gabrielle N. Harbajan, Anesha C. Crooks, Khathutshelo P. Mashige, Alex A. Ilechie, Ferial M. Ziered, Uchechukwu L. Osuagwu (2022). Demographic profiles of contact lens wearers and their association with lens wear characteristics in Trinidad and Tobago: A retrospective study. *PLoS ONE*. <https://doi.org/10.1371/journal.pone.0264659>
6. Alex Azuka Ilechie, Naa Adjeley Addo, Carl Halladay Abraham, Andrew Owusu-Ansah, Alex Annan-Prah (2021). Accuracy of Noncycloplegic Refraction for Detecting Refractive Errors in School-aged African Children. *Optometry and Vision Science*. <https://doi.org/10.1097/oxp.0000000000001742>
7. Alex Azuka Ilechie, Douglas Danquah, Michael Ntodie, Ebenezer Andoh, Naa Adjeley Addo, Daniel Odoi, Felix Otobil, Frank Assiamah (2021). Contact Lens- and Patient-related Factors Associated with Contact Lens Discomfort among Contact Lens Wearers in an African Cohort. *Optometry and Vision Science*. <https://doi.org/10.1097/oxp.0000000000001765>
8. Stephen Ocansey, Emmanuel K. Abu, Carl Halladay Abraham, Andrews Owusu-Ansah, Caleb Acheampong, Frederick Mensah, Charles Darko-Takyi, Alex Ilechie (2021). Socio-demographic factors modify awareness, knowledge, and perceived risk of glaucoma in rural and urban residents in Ghana: a

population-based survey. *Therapeutic Advances in Ophthalmology*. <https://doi.org/10.1177/2515841421998099>

9. Alex Ilechie, Seth Wanye, Carl H Abraham, Josiah B Sarpong, Emmanuel Abu, Samuel Abokyi, Enyam Morny, Bismark Mensah, Maclean O Amoako, Simon Fosu-gyeabour (2020). Inter-regional trends in causes of childhood blindness and low vision in Ghana. *Clinical and Experimental Optometry*. <https://doi.org/10.1111/cxo.13041>
10. 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>
11. 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>
12. Alex A. Ilechie, Mohammed M. Jeduah, Carl H. Abraham, Stephen Ocansey, Emmanuel Abu, Theophilus Okyere, Obarijima Ngosaro (2020). Oral consumption of *Garcinia kola* (Bitter kola) lowers intraocular pressure. *Acta Ophthalmologica*. <https://doi.org/10.1111/aos.14440>
13. Ngozika E. Ezinne, Khathutshelo P. Mashige, Obinna F. Akano, Alex A. Ilechie, Kingsley K. Ekemiri (2020). Spectacle utilisation rate and reasons for non-compliance with wearing of spectacles amongst primary school children in Onitsha, Anambra state, Nigeria. *African vision and eye health*. <https://doi.org/10.4102/aveh.v79i1.544>
14. 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>
15. Samuel Abokyi, George Manuh, Heinz Otchere, Alex Ilechie (2017). Knowledge, usage and barriers associated with contact lens wear in Ghana. *Contact Lens and Anterior Eye*. <https://doi.org/10.1016/j.clae.2017.05.006>
16. Samuel Abokyi, Alex Ilechie, Gifty Boateng, George Asumeng Koffuor (2016). Effect of preserved and preservative-free timolol eye drops on tear film stability in healthy Africans. *Nigerian Medical Journal*. <https://doi.org/10.4103/0300-1652.182071>
17. 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>
18. Verner N. Orish, Alex Ilechie, Theophilus Combey, Onyekachi S. Onyeabor, Chuku Okorie, Adekunle O. Sanyaolu (2016). Evaluation of Blood Transfusions in Anemic Children in Effia Nkwanta Regional Hospital, Sekondi-Takoradi, Ghana. *American Journal of Tropical Medicine and Hygiene*. <https://doi.org/10.4269/ajtmh.15-0310>
19. SAMUEL BERT BOADI-KUSI OD, 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>
20. 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>
21. Samuel Abokyi, Alex Ilechie, Kwansema Adadzewa Asaam, Michael Ntodie (2015). Fasting Plasma Sugar: A Predictor of Accommodative Function in Diabetes. *Current Eye Research*. <https://doi.org/10.3109/02713683.2015.1056803>

22. 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>
23. Samuel Abokyi, Alex Ilechie, Peter Nsiah, Charles Darko-Takyi, Emmanuel Kwasi Abu, Yaw Jnr Osei-Akoto, Mathurin Youfegan-Baanam (2015). Visual impairment attributable to uncorrected refractive error and other causes in the Ghanaian youth: The University of Cape Coast Survey. *Journal of Optometry*. <https://doi.org/10.1016/j.optom.2015.04.002>
24. A.A. Ilechie, V.A. Essuman, S. Enyionam (2013). Prevalence of congenital eye anomalies in a paediatric clinic in Ghana. *Eastern Mediterranean Health Journal*. <https://doi.org/10.26719/2013.19.supp3.s76>
25. Alex Ilechie, Kwapong, Kyei, Mate-Kole, Darko-Takyi (2012). The efficacy of stingless bee honey for the treatment of bacteria-induced conjunctivitis in guinea pigs. *Journal of Experimental Pharmacology*. <https://doi.org/10.2147/jep.s28415>
26. Alex Ilechie, Tetteh (2011). Acute effects of consumption of energy drinks on intraocular pressure and blood pressure. *Clinical Optometry*. <https://doi.org/10.2147/opto.s16229>