Emmanuel Kwasi Abu

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RESEARCH

Interests	General Optometry · Ophthalmic infection and immunity · ocular implications in systemic and infectious
Areas	Epidemiology · Ophthalmology · Public Health, Environmental and Occupational Health · Radiology, Nuclear Medicine and Imaging · Clinical Psychology · Health

RESEARCH SUMMARY

80	1,081	18	43	1.81	14%
Publications	Citations	h-index	i10-index	Field-weighted impact	World top 10%

Counted from the 80 publications listed below, 2012–2026. Field-weighted impact is the mean over the 72 works scored for it; 1.00 is the world average for works of the same field, type and year. 10 of the 72 papers scored for it are among the world's most cited tenth for their field, type and year.

POSITIONS

Lecturer, Head of Department 2010–2018
Department of Optometry, University of Cape Coast, Cape Coast, Ghana

EDUCATION AND QUALIFICATIONS

Doctor of Optomery, PhD (Ocular Parasitology) 2002–2008
University of Cape Coast, Cape Coast, Ghana

PUBLICATIONS

Journal articles 80

1. Evans Kofi Obboh, Abdul Rahim Mohammed Sabtiu, Isaac Kwame Sraku, Nana Aba Setorwu Eyeson, **Emmanuel Kwesi Abu**, Samuel Donkoh, Kwadwo Asamoah Kusi, Kwame Kumi Asare, Nicaise Ndam, Rachida Tahar, Festus Acquah, Yaw Asare Afrane, Anne Poinsignon, Linda Eva Amoah (2026). Anopheles gambiae biting behavior and malaria transmission risk in Simiw, a community located in the coastal forest zone of the Central Region of Ghana. *Malaria Journal*. https://doi.org/10.1186/s12936-026-05961-6
2. Carl Halladay Abraham, **Emmanuel Kwasi Abu**, Paul Owusu, Thomas Osei Mensah, Ebenezer Botchway, Philip Abakah Mensah, Albert Kofi Dadzie, Samuel Kyei (2026). Disease-specific data augmentation enhances deep learning classification of age-related macular degeneration, diabetic retinopathy, and glaucoma. *Digital Health*. https://doi.org/10.1177/20552076261461391
3. Pious Tawiah Amoako, Samuel Kyei, Charles Darko-Takyi, **Emmanuel Kwasi Abu** (2026). Epidemiology of non-strabismic binocular vision anomalies in Africa: a systematic review and meta-analysis. *Clinical and Experimental Optometry*. https://doi.org/10.1080/08164622.2026.2722996
4. Bernadine Nsa Ekpenyong, Khathutshelo Percy Mashige, Uchechukwu Levi Osuagwu, Tanko Ishaya, Godwin Ovenseri-Ogbomo, Deborah Donald Charwe, Chikasirimobi Goodhope Timothy, **Emmanuel Kwasi Abu**, Richard Oloruntoba, Chundung Asabe Miner, Raymond Langsi, Piwuna Christopher Goson, Esther Awazzi Envuladu, Obinna Nwaeze, Kingsley Agho (2026). Knowledge, Attitude, and Perception of SARS-CoV-2 Vaccine Across the Sub-Saharan African Region: A Cross-Sectional Study. *Advances in Public Health*. https://doi.org/10.1155/adph/6621930

5. Stephen Ocansey, Emmanuella Adjei Baffour, Ebenezer Oduro Antiri, Fuseina Safianu, Carl Haladay Abraham, **Emmanuel Kwasi Abu**, John Siderov (2026). Measuring contrast sensitivity in school children and young adults: a comparison between Pelli-Robson and SpotChecks charts. *Clinical and Experimental Optometry*. https://doi.org/10.1080/08164622.2026.2686762
6. Stephen Ocansey, Ebenezer Nana Kojo Bondzie Ghartey, Ebenezer Oduro Antiri, Emmanuel Essien, Fuseina Safianu, **Emmanuel Kwasi Abu** (2026). Ocular biometric parameters and myopia severity in Ghana: A cross-sectional analysis in a young clinical sample. *AJO International*. https://doi.org/10.1016/j.ajoint.2026.100297
7. 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
8. Charles Darko-Takyi, Sandra Owusu, **Emmanuel K. Abu**, Carl H. Abraham, Michael Ntodie, Ebenezer Manu, Kumi O. Boakye, Victoria Yirrah, Emmanuel Essien, Kwame O. Osei, Stephen Ocansey (2025). Exploring reduction of prolonged binocular vision testing time: the agreement between the first and second thirty seconds within one minute of accommodative and vergence facility tests. *Strabismus*. https://doi.org/10.1080/09273972.2024.2449178
9. Charles Darko-Takyi, Selasie A. Ahlijah, **Emmanuel K. Abu**, Michael Ntodie, Carl H. Abraham, Franklin L. Otoo, Stephen Ocansey (2025). Exploring the association between asthenopia, vergence measures and the interpupillary distance. *African vision and eye health*. https://doi.org/10.4102/aveh.v84i1.1054
10. Piwuna Christopher Goson, Uchechukwu Levi Osuagwu, Bernadine N. Ekpenyong, Chundung Asabe Miner, Margaret Ojeahere, Tanko Ishaya, Khathutshelo P. Mashige, Godwin Ovenseri-Ogbomo, Esther Awazzi Envuladu, **Emmanuel Kwasi Abu**, Chikasirimobi G. Timothy, Raymond Langsi, Onyekachukwu M. Amiebenomo, Richard Oloruntoba, Deborah Donald Charwe, Palash Basak, Kingsley Emwinyore Agho (2025). Spatial analysis of depression and anxiety among frontline health workers during Nigeria's COVID-19 pandemic: cross-sectional study. *BMC Public Health*. https://doi.org/10.1186/s12889-025-24941-0
11. Samuel Abokyi, Prince Mordi, Michael Ntodie, Benedict Ayobi, **Emmanuel Kwasi Abu** (2024). Intraocular Pressure Response to Perceived Stress in Juvenile-Onset Open Angle Glaucoma. *Journal of Glaucoma*. https://doi.org/10.1097/ijg.0000000000002478
12. 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
13. 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
14. Onyekachukwu M. Amiebenomo, Uchechukwu L. Osuagwu, Esther Awazzi Envuladu, Chundung Asabe Miner, Khathutshelo P. Mashige, Godwin Ovenseri-Ogbomo, **Emmanuel Kwasi Abu**, Chikasirimobi Goodhope Timothy, Bernadine N. Ekpenyong, Raymond Langsi, Richard Oloruntoba, Piwuna Christopher Goson, Deborah Donald Charwe, Tanko Ishaya, Kingsley E. Agho (2023). Acceptance and Risk Perception of COVID-19 Vaccination among Pregnant and Non Pregnant Women in Sub-Saharan Africa: A Cross-Sectional Matched-Sample Study. *Vaccines*. https://doi.org/10.3390/vaccines11020484
15. Chundung Asabe Miner, Chikasirimobi G. Timothy, Khathutshelo Percy, Mashige, Uchechukwu Levi Osuagwu, Esther Awazzi Envuladu, Onyekachukwu Mary-Anne Amiebenomo, Godwin Ovenseri-Ogbomo, Deborah Donald Charwe, Piwuna Christopher Goson, Bernadine N. Ekpenyong, **Emmanuel Kwasi Abu**, Raymond Langsi, Richard Oloruntoba, Tanko Ishaya, Kingsley E. Agho (2023). Acceptance of COVID-19 vaccine among sub-Saharan Africans (SSA): a comparative study of residents and diasporan

dwellers. *BMC Public Health*. https://doi.org/10.1186/s12889-023-15116-w

16. **Emmanuel Kwasi Abu**, Carl Halladay Abraham, Albert Kofi Dadzie, Enyam Amewuho Morny, Michael Ntodie, Stephen Ocansey, Samuel Abokyi, Andrew Owusu-Ansah, Naa Adjeley Addo, Michael Williams, Asantewaa Aboagye-McCarthy, Godfred Sakyi-Badu, Paa Kwesi Fynn Hope, Peter Osei-Wusu Adueming (2023). Central contrast sensitivity perimetry discriminates between glaucomatous and non-glaucomatous eyes. *Therapeutic Advances in Ophthalmology*. https://doi.org/10.1177/25158414231208284
17. Stephen Ocansey, Ebenezer Oduro Antiri, Carl Haladay Abraham, **Emmanuel Kwasi Abu** (2023). Dry eye symptom questionnaires show adequate measurement precision and psychometric validity for clinical assessment of vision-related quality of life in glaucoma patients. *PLoS ONE*. https://doi.org/10.1371/journal.pone.0283597
18. **Emmanuel Kwasi Abu** (2023). 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*.
19. Stephen Ocansey, Rufaida Amuda, Carl Halladay Abraham, **Emmanuel Kwasi Abu** (2023). Refractive error correction among urban and rural school children using two self-adjustable spectacles. *BMJ Open Ophthalmology*. https://doi.org/10.1136/bmjophth-2022-001202
20. Carl Halladay Abraham, Enyam Morny, Asantewaa Aboagye-MacCarthy, Stephen Ocansey, Michael Ntodie, Godfred Sakyi-Badu, Albert Kofi Dadzie, Naa Adjeley Addo, Selina Holdbrook, **Emmanuel Kwasi Abu** (2023). The effect of filters and varying illumination on contrast sensitivity in eyes with moderate to severe visual impairment. *International Ophthalmology*. https://doi.org/10.1007/s10792-023-02738-7
21. Uchechukwu L. Osuagwu, Khathutshelo P. Mashige, Godwin Ovenseri-Ogbomo, Esther Awazzi Envuladu, **Emmanuel Kwasi Abu**, Chundung Asabe Miner, Chikasirimobi G. Timothy, Bernadine N. Ekpenyong, Raymond Langsi, Onyekachukwu M. Amiebenomo, Richard Oloruntoba, Piwuna Christopher Goson, Deborah Donald Charwe, Tanko Ishaya, Kingsley E. Agho (2023). The impact of information sources on COVID-19 vaccine hesitancy and resistance in sub-Saharan Africa. *BMC Public Health*. https://doi.org/10.1186/s12889-022-14972-2
22. Uchechukwu Levi Osuagwu, Raymond Langsi, Godwin Ovenseri-Ogbomo, Khathutshelo Percy Mashige, **Emmanuel Kwasi Abu**, Esther Awazzi Envuladu, Piwuna Christopher Goson, Bernadine Nsa Ekpenyong, Richard Oloruntoba, Chundung Asabe Miner, Deborah Donald Charwe, Chikasirimobi Goodhope Timothy, Tanko Ishaya, Onyekachukwu Mary-Anne Amiebenomo, David Lim, Kingsley E. Agho (2022). Analysis of Perception, Reasons, and Motivations for COVID-19 Vaccination in People with Diabetes across Sub-Saharan Africa: A Mixed-Method Approach. *International Journal of Environmental Research and Public Health*. https://doi.org/10.3390/ijerph19137875
23. **Emmanuel K Abu**, Ebenezer O Antiri, Stephen Ocansey, Michael Ntodie, Samuel Abokyi, Carl Halladay Abraham (2022). Associations between personality traits and adherence to treatment in patients with primary open–angle glaucoma in an African population. *Clinical and Experimental Optometry*. https://doi.org/10.1080/08164622.2022.2075253
24. **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
25. **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
26. Esther A. Envuladu, Chundung A. Miner, Richard Oloruntoba, Uchechukwu L. Osuagwu, Khathutshelo P. Mashige, Onyekachukwu M. Amiebenomo, **Emmanuel K. Abu**, Chikasirimobi G. Timothy, Godwin Ovenseri-Ogbomo, Bernadine N. Ekpenyong, Raymond Langsi, Piwuna C. Goson, Deborah D. Charwe, Tanko Ishaya, Kingsley E. Agho (2022). International Research Collaboration During the Pandemic: Team Formation, Challenges, Strategies and Achievements of the African Translational Research Group. *International Journal of Qualitative Methods*. https://doi.org/10.1177/16094069221115504

27. Bernadine N. Ekpenyong, **Emmanuel K Abu**, Raymond Langsi, Uchechukwu L Osuagwu, Richard Oloruntoba, Godwin Ovenseri-Ogbomo, Chikasirimobi G. Timothy, Deborah D Charwe, Obinna Nwaeze, Christopher P Goson, Chundung A Miner, Tanko Ishaya, Khathutshelo P Mashige, Kingsley E. Agho (2022). Public awareness and perception towards COVID-19 in Sub-Saharan African countries during the lockdown. *Health Promotion Perspectives*. https://doi.org/10.34172/hpp.2022.25

28. SAMUEL BERT BOADI-KUSI OD, 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

29. Michael Ntodie, Eugene B Enimah, Yaw O Akoto, Joseph N Yennu, Samuel Abokyi, **Emmanuel K Abu** (2021). Application and repeatability of ocular biometric measures for gaze position calibration in children. *Ophthalmic and Physiological Optics*. https://doi.org/10.1111/opo.12866

30. Chikasirimobi Goodhope Timothy, Deborah Donald Charwe, Uchechukwu L Osuagwu, Chundung Asabe Miner, **Emmanuel Kwasi Abu**, Godwin Ovenseri-Ogbomo, Piwuna Christopher Goson, Raymond Langsi, Bernadine Ekpenyong, Richard Oloruntoba, Obinna Nwaeze, Tanko Ishaya, Khathutshelo Percy Mashige, Kingsley Agho (2021). COVID-19 in Sub-Saharan African Countries: Association between Compliance and Public Opinion. *Global Journal of Health Science*. https://doi.org/10.5539/gjhs.v13n2p91

31. Uchechukwu Levi Osuagwu, Chikasirimobi G Timothy, Raymond Langsi, **Emmanuel K Abu**, Piwuna Christopher Goson, Khathutshelo P Mashige, Bernadine Ekpenyong, Godwin O Ovenseri-Ogbomo, Chundung Asabe Miner, Richard Oloruntoba, Tanko Ishaya, Deborah Donald Charwe, Esther Awazzi Envuladu, Obinna Nwaeze, Kingsley Emwinyore Agho (2021). Differences in Perceived Risk of Contracting SARS-CoV-2 during and after the Lockdown in Sub-Saharan African Countries. *International Journal of Environmental Research and Public Health*. https://doi.org/10.3390/ijerph182111091

32. Khathutshelo Percy Mashige, Uchechukwu Levi Osuagwu, Sekar Ulaganathan, Bernadine N Ekpenyong, **Emmanuel Kwasi Abu**, Piwuna Christopher Goson, Raymond Langsi, Obinna Nwaeze, Chikasirimobi G Timothy, Deborah Donald Charwe, Richard Oloruntoba, Chundung Asabe Miner, Tanko Ishaya, Godwin O Ovenseri-Ogbomo, Kingsley E Agho (2021). Economic, Health and Physical Impacts of COVID-19 Pandemic in Sub-Saharan African Regions: A Cross Sectional Survey. *Risk Management and Healthcare Policy*. https://doi.org/10.2147/rmhp.s324554

33. Benjamin Amoani, Ben Gyan, Samuel Asamoah Sakyi, **Emmanuel Kwasi Abu**, Samuel Victor Nuvor, Precious Barnes, Tracy Sarkodie-Addo, Benjamin Ahenkorah, Christian Sewor, Duah Dwomoh, Michael Theisen, Michael Cappello, Michael D. Wilson, Bright Adu (2021). Effect of hookworm infection and anthelmintic treatment on naturally acquired antibody responses against the GMZ2 malaria vaccine candidate and constituent antigens. *BMC Infectious Diseases*. https://doi.org/10.1186/s12879-021-06027-5

34. Obinna Nwaeze, Raymond Langsi, Uchechukwu L Osuagwu, Richard Oloruntoba, Godwin O Ovenseri-Ogbomo, **Emmanuel K Abu**, Timothy Chikasirimobi G, Deborah Donald Charwe, Bernadine Ekpenyong, Khathutshelo P Mashige, Piwuna Christopher Goson, Tanko Ishaya, Kingsley Agho (2021). Factors affecting willingness to comply with public health measures during the pandemic among sub-Sahara Africans. *African Health Sciences*. https://doi.org/10.4314/ahs.v21i4.17

35. 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

36. SAMUEL BERT BOADI-KUSI OD, 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

37. Bernadine N. Ekpenyong, Uchechukwu L. Osuagwu, Chundung Asabe Miner, Godwin O. Ovenseri-Ogbomo, **Emmanuel Kwasi Abu**, Piwuna Christopher Goson, Raymond Langsi, Obinna Nwaeze, Timothy G. Chikasirimobi, Deborah Donald Charwe, Khathutshelo Percy Mashige, Richard Oloruntoba, Tanko Ishaya, Kingsley Emwinyore Agho (2021). Knowledge, Attitudes, and Perceptions of COVID-19 Among

Healthcare and Non-Healthcare Workers in Sub-Saharan Africa: A Web-Based Survey. *Health Security*. https://doi.org/10.1089/hs.2020.0208

38. Uchechukwu L. Osuagwu, Chundung A. Miner, Dipesh Bhattarai, Khathutshelo Percy Mashige, Richard Oloruntoba, **Emmanuel Kwasi Abu**, Bernadine Ekpenyong, Timothy G. Chikasirimobi, Piwuna Christopher Goson, Godwin O. Ovenseri-Ogbomo, Raymond Langsi, Deborah Donald Charwe, Tanko Ishaya, Obinna Nwaeze, Kingsley Emwinyore Agho (2021). Misinformation About COVID-19 in Sub-Saharan Africa: Evidence from a Cross-Sectional Survey. *Health Security*. https://doi.org/10.1089/hs.2020.0202
39. **EK Abu** (2021). Oloru Sub-Saharan African Countries. *Africa's Knowledge Bridge*. https://researchers-admin.westernsydney.edu.au/ws/portalfiles/portal/341529187/Full%20text.pdf#page=126
40. Uchechukwu L. Osuagwu, Obinna Nwaeze, Godwin Ovenseri-Ogbomo, Richard Oloruntoba, Bernadine Ekpenyong, Khathutshelo P. Mashige, Chikasirimobi Timothy, Tanko Ishaya, Raymond Langsi, Deborah Charwe, **Emmanuel Kwasi Abu**, Miner A. Chundung, Kingsley E. Agho (2021). Opinion and uptake of chloroquine for treatment of COVID-19 during the mandatory lockdown in the sub-Saharan African region. *African Journal of Primary Health Care & Family Medicine*. https://doi.org/10.4102/phcfm.v13i1.2795
41. Raymond Langsi, Uchechukwu L Osuagwu, Piwuna Christopher Goson, **Emmanuel Kwasi Abu**, Khathutshelo P Mashige, Bernadine Ekpenyong, Godwin O Ovenseri-Ogbomo, Timothy Chikasirimobi G, Chundung Asabe Miner, Tanko Ishaya, Richard Oloruntoba, Obinna Nwaeze, Deborah Donald Charwe, Kingsley Emwinyore Agho (2021). Prevalence and Factors Associated with Mental and Emotional Health Outcomes among Africans during the COVID-19 Lockdown Period—A Web-based Cross-Sectional Study. *International Journal of Environmental Research and Public Health*. https://doi.org/10.3390/ijerph18030899
42. **Emmanuel Kwasi Abu**, Richard Oloruntoba, Uchechukwu Levi Osuagwu, Dipesh Bhattarai, Chundung Asabe Miner, Piwuna Christopher Goson, Raymond Langsi, Obinna Nwaeze, Timothy G. Chikasirimobi, Godwin O. Ovenseri-Ogbomo, Bernadine N. Ekpenyong, Deborah Donald Charwe, Khathutshelo Percy Mashige, Tanko Ishaya, Kingsley Emwinyore Agho (2021). Risk perception of COVID-19 among sub-Sahara Africans: a web-based comparative survey of local and diaspora residents. *BMC Public Health*. https://doi.org/10.1186/s12889-021-11600-3
43. 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
44. SAMUEL BERT BOADI-KUSI OD, 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
45. George Ghartey-Kwansah, Frank Adu-Nti, Benjamin Aboagye, Amandus Ankobil, Edward Eyipe Essuman, Yeboah Kwaku Opoku, Samuel Abokyi, **Emmanuel Kwasi Abu**, Johnson Nyarko Boampong (2020). Autophagy in the control and pathogenesis of parasitic infections. *Cell & Bioscience*. https://doi.org/10.1186/s13578-020-00464-6
46. George Ghartey-Kwansah, Benjamin Aboagye, Frank Adu-Nti, Yeboah Kwaku Opoku, **Emmanuel Kwasi Abu** (2020). Clearing or subverting the enemy: Role of autophagy in protozoan infections. *Life Sciences*. https://doi.org/10.1016/j.lfs.2020.117453
47. Samuel Abokyi, Patience Ansomah Ayerakwah, Sampson Listowell Abu, **Emmanuel Kwasi Abu** (2020). Controlled blood sugar improves the eye's accommodative ability in type-1 diabetes. *Eye*. https://doi.org/10.1038/s41433-020-1058-y
48. **Emmanuel K Abu**, Stephen Ocansey, Jennifer A Gyamfi, Michael Ntodie, Enyam KA Morny (2020). Epidemiology and visual outcomes of ocular injuries in a low resource country. *African Health Sciences*. https://doi.org/10.4314/ahs.v20i2.31
49. Godwin Ovenseri-Ogbomo, Tanko Ishaya, Uchechukwu L Osuagwu, **Emmanuel K Abu**, Obinna Nwaeze, Richard Oloruntoba, Bernadine Ekpenyong, Khathutshelo P Mashige, Timothy Chikasirimobi, Raymond

Langsi, Deborah D Charwe, Kingsley Agho (2020). Factors associated with the myth about 5G network during COVID-19 pandemic in sub-Saharan Africa. *Journal of Global Health Reports*. https://doi.org/10.29392/001c.17606

50. 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

51. 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

52. 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

53. Alex A. Ilechie, Mohammed M. Jeduah, Carl H. Abraham, Stephen Ocansey, **Emmanuel Abu**, Theophilus Okyere, Obarijima Ngosaro (2020). Oral consumption ofGarcinia kola(Bitter kola) lowers intraocular pressure. *Acta Ophthalmologica*. https://doi.org/10.1111/aos.14440

54. **Emmanuel Kwasi Abu** (2020). The final published version is available direct from the publisher website at. *Ecological Economics*. https://pureadmin.uhi.ac.uk/ws/portalfiles/portal/13967004/1_s2.0_S0921800918315829_main.pdf

55. Benjamin Amoani, Bright Adu, Margaret T. Frempong, Tracy Sarkodie-Addo, Samuel Victor Nuvor, **Emmanuel Kwasi Abu**, Lisa M. Harrison, Michael Cappello, Ben Gyan, Michael D. Wilson (2019). Cytokine profiles of Necator americanus and Plasmodium falciparum co-infected patients in rural Ghana. *Cytokine X*. https://doi.org/10.1016/j.cytox.2019.100014

56. Samuel Kyei, Raphael Mensah, Godwin Kwakye-Nuako, **EmmanuelKwasi Abu** (2019). Microbial Contamination of Topical Therapeutic Ophthalmic Medications in Cape Coast Metropolis, Ghana. *Nigerian Journal of Ophthalmology*. https://doi.org/10.4103/njo.njo_38_18

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