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RESEARCH

Areas: Radiology, Nuclear Medicine and Imaging · Pediatrics, Perinatology and Child Health · Public Health, Environmental and Occupational Health · Psychiatry and Mental health · Biomedical Engineering · Genetics

RESEARCH SUMMARY

38	367	11	11	1.94	18%
Publications	Citations	h-index	i10-index	Field-weighted impact	World top 10%

Counted from the 38 publications listed below, 2016–2026. Field-weighted impact is the mean over the 38 works scored for it; 1.00 is the world average for works of the same field, type and year. 7 of the 38 papers scored for it are among the world's most cited tenth for their field, type and year.

PUBLICATIONS

Journal articles 34

1. **Albert Dayor Piersson**, Philomena Ajanaba Asakeboba, Sarah Teiko Quartei, Rachel Mendy, Joseph Arkorful, Ama Boahene Akomah, Gilbertson Allorsey (2026). Exploring midwives' practice patterns and capacity for obstetric ultrasound imaging: Towards a multicentre longitudinal materno-foetal research readiness in a low-resource setting. *PLoS ONE*. https://doi.org/10.1371/journal.pone.0330235
2. Gilbertson Allorsey, **Albert Dayor Piersson**, Nana Akua Konama Osei-Kwame, Shadrach Thompson, Patrick Osei Adu, Mark Amo Aikins, Ebenezer Sekyere Osman, Freda Appiah Asante (2026). Incidental crossed fused renal ectopia in a low-resource setting: Lessons from Ghana on diagnostic accuracy and imaging practice. *Radiology Case Reports*. https://doi.org/10.1016/j.radcr.2026.02.049
3. **Albert Dayor Piersson**, Christiana Amartey, Sarah Teiko Quartei, Klenam Dzefi-Tettey, Promise Emmanuel Sefogah, Aquel Rene Lopez (2026). Maternal willingness to participate in research involving neuroimaging, biological sample collection, and data storage: Towards a Multicentre Neurodevelopmental Research in a low-resource setting. *PLoS ONE*. https://doi.org/10.1371/journal.pone.0344408
4. Klenam Dzefi-Tettey, Emmanuel Kobina Mesi Edzie, **Albert D Piersson**, Edmund K Brakohiapa, Harold R Nixon, Emmanuel K Jackson, Kwasi O Armah, Ansumana S Bockarie, Henry Kusodzi, Abdul R Asemah (2025). Prevalence and Reporting Rates of Extraspinal Findings for Lumbar Spine Magnetic Resonance Imaging in a Ghanaian Tertiary Hospital. *Cureus*. https://doi.org/10.7759/cureus.82527
5. **Albert Dayor Piersson**, Bismark Ofori-Manteaw, Hanifatu Napari Mumuni, Klenam Dzefi-Tettey (2025). Readability of patient education materials on cardiac magnetic resonance imaging. *European Heart Journal - Imaging Methods and Practice*. https://doi.org/10.1093/ehjimp/qyaf111
6. **Albert D. Piersson**, George Nunoo, Evans Tettey, Nicholas Otumi (2025). User-Centered Assessment of MRI Equipment Flexibility, Workspace Adequacy, User Interface Usability, and Technical Proficiency. *Applied Clinical Informatics*. https://doi.org/10.1055/a-2721-6170
7. **Albert Dayor Piersson**, George Nunoo, Klenam Dzefi-Tettey, Nicholas Otumi (2025). Utility of advanced brain MRI techniques for clinical and research purposes in a low-resource setting: A multicentre survey. *Next research*.. https://doi.org/10.1016/j.nexres.2025.100638
8. Emmanuel Fiagbedzi, Joseph Arkorful, Isaac Frimpong Brobbey, Emmanuel Appiah, Savanna Nyarko, Nicholas Otumi, **Albert Dayor Piersson**, Obed Nimo, Ishmael Nii Ofori, Philip Narteh Gorleku (2024). A

case of ruptured infrapatellar bursa sac with Baker's cyst. *Radiology Case Reports*. https://doi.org/10.1016/j.radcr.2024.10.058

9. Joseph Arkorful, Emmanuel Fredua Agyeman, Richmond Ashitey Nmai, **Albert Dayor Piersson** (2024). A rare case of dicephalic parapagus conjoined twins diagnosed in the third trimester. *Radiology Case Reports*. https://doi.org/10.1016/j.radcr.2024.10.124
10. B. Ohene-Botwe, C. Amedu, W.K. Antwi, W. Abdul-Razak, K.A. Kyei, S. Arkoh, L.-S. Mudadi, E.Y. Mushosho, O. Bwanga, B. Chinene, P. Nyawani, L.C. Mutandiro, **A.D. Piersson** (2024). Authors' Reply to Letter to Editor: Promoting sustainability activities in clinical radiography practice and education in resource-limited countries: A discussion paper. *Radiography*. https://doi.org/10.1016/j.radi.2024.07.007
11. B. Ohene-Botwe, C. Amedu, W.K. Antwi, W. Abdul-Razak, K.A. Kyei, S. Arkoh, L.-S. Mudadi, E.Y. Mushosho, O. Bwanga, B. Chinene, P. Nyawani, L.C. Mutandiro, **A.D. Piersson** (2024). Promoting sustainability activities in clinical radiography practice and education in resource-limited countries: A discussion paper. *Radiography*. https://doi.org/10.1016/j.radi.2024.06.007
12. Klenam Dzefi-Tettey, Emmanuel Kobina Mesi Edzie, Edmund Kwakye Brakohiapa, Ofosu Atta Amaning, **Albert Dayor Piersson** (2024). Terson's syndrome leading to fatal outcome in a 36-year-old woman: A case report. *Radiology Case Reports*. https://doi.org/10.1016/j.radcr.2024.01.086
13. Klenam Dzefi-Tettey, Emmanuel Kobina Mesi Edzie, Simpson Kudjo Mensah, Samson Osei, **Albert Dayor Piersson**, Michael Kofi Amedi, Abdul Raman Asemah, Henry Kusodzi (2023). Lumbar facet joint arthrosis on magnetic resonance imaging and its association with low back pain in a selected Ghanaian population. *Journal of Neurosciences in Rural Practice*. https://doi.org/10.25259/jnrp_94_2023
14. **A. D. Piersson**, K. Dzefi-Tettey (2023). OC01.02: Accuracy and readability of patient-focused information on obstetrics ultrasound imaging from online sources versus ChatGPT-generated. *Ultrasound in Obstetrics and Gynecology*. https://doi.org/10.1002/uog.26322
15. Klenam Dzefi-Tettey, Emmanuel Kobina Mesi Edzie, Edmund Kwakye Brakohiapa, Kafui Kossi Kekessie, **Albert Dayor Piersson**, Franklin Acheampong, Philip Narteh Gorleku, Harold Ricketts Nixon, Abdul Raman Asemah, Henry Kusodzi (2022). Seizures in children. *West African journal of radiology*. https://doi.org/10.4103/wajr.wajr_11_22
16. Muhammad K. Abdulkadir, **Albert D. Piersson**, Goni M. Musa, Sadiq A. Audu, Auwal Abubakar, Basirat Muftaudeen, Josiah E. Umana (2021). Assessment of diagnostic reference levels awareness and knowledge amongst CT radiographers. *The Egyptian Journal of Radiology and Nuclear Medicine*. https://doi.org/10.1186/s43055-021-00444-x
17. **Albert Dayor Piersson**, Buhari Ibrahim, Subapriya Suppiah, Mazlyfarina Mohamad, Hasyma Abu Hassan, Nur Farhayu Omar, Mohd Izuan Ibrahim, Ahmad Nazlim Yusoff, Normala Ibrahim, M. Iqbal Saripan, Rizah Mazzuin Razali (2021). Multiparametric MRI for the improved diagnostic accuracy of Alzheimer's disease and mild cognitive impairment: Research protocol of a case-control study design. *PLoS ONE*. https://doi.org/10.1371/journal.pone.0252883
18. Philip Narteh Gorleku, Klenam Dzefi-Tettey, Emmanuel Kobina Mesi Edzie, Jacob Setorglo, **Albert Dayor Piersson**, Ishmael Nii Ofori, Isaac Frimpong Brobbey, Emmanuel Worlali Fiagbedzi, Edmund Kwadwo Kwakye Brakohiapa (2021). The degree and appropriateness of computed tomography utilization for diagnosis of headaches in Ghana. *Heliyon*. https://doi.org/10.1016/j.heliyon.2021.e06722
19. **Albert Dayor Piersson**, Mazlyfarina Mohamad, Subapriya Suppiah, Nor Fadilah Rajab (2021). Topographical patterns of whole-brain structural alterations in association with genetic risk, cerebrospinal fluid, positron emission tomography biomarkers of Alzheimer's disease, and neuropsychological measures. *Clinical and Translational Imaging*. https://doi.org/10.1007/s40336-021-00440-1
20. Klenam Dzefi-Tettey, Emmanuel K Edzie, Philip Gorleku, **Albert D Piersson**, Obed Cudjoe (2021). Tuberous Sclerosis: A Case Report and Review of the Literature. *Cureus*. https://doi.org/10.7759/cureus.12481
21. Philip Narteh Gorleku, Jacob Setorglo, Emmanuel Kobina Edzie, **Albert Dayor Piersson**, Ishmael Nii Ofori, James William Ampofo, Savanna Nyarko (2020). Assessment of Effectiveness of Problem Based Learning Pedagogical Approach in Radiography Education in a Tertiary Institution in Ghana. *Universal Journal of Educational Research*. https://doi.org/10.13189/ujer.2020.080346

22. **Albert Dayor Piersson**, Mazlyfarina Mohamad, Fadilah Rajab, Subapriya Suppiah (2020). Cerebrospinal Fluid Amyloid Beta, Tau Levels, Apolipoprotein, and 1H-MRS Brain Metabolites in Alzheimer's Disease: A Systematic Review. *Academic Radiology*. https://doi.org/10.1016/j.acra.2020.06.006

23. Philip N. Gorleku, Emmanuel K. Edzie, Klenam Dzefi-Tettey, Jacob Setorglo, **Albert D. Piersson**, Stephen Ocansey, Enyam K.A. Morny, Celso D.G. Armah (2020). Computed tomography estimation of the prevalence of neuro-ophthalmic injuries in head trauma patients seen in a tertiary health facility in Ghana. *Heliyon*. https://doi.org/10.1016/j.heliyon.2020.e04200

24. Emmanuel Kobina Mesi Edzie, Klenam Dzefi-Tettey, Philip Narteh Gorleku, James William Ampofo, **Albert Dayor Piersson**, Abdul Raman Asemah, Henry Kusodzi, Richard Ato Edzie (2020). Perception of Ghanaian Primigravidas Undergoing Their First Antenatal Ultrasonography in Cape Coast. *Radiology Research and Practice*. https://doi.org/10.1155/2020/4589120

25. Philip N. Gorleku, Jacob Setorglo, Ishmael Ofori, Emmanuel K. M. Edzie, Klenam Dzefi-Tettey, **Albert D. Piersson**, Chinyerenwa Okara, Daniel Ackom, Enoch A. Adu-Gyamfi (2020). Towards the scale and menace of unregulated sonography practice in Ghana. *Journal of Global Health Reports*. https://doi.org/10.29392/001c.17604

26. Philip N. Gorleku, Jacob Setorglo, Oxana Gorleku, Klenam Dzefi-Tettey, Emmanuel K. Edzie, **Albert D. Piersson**, Richard Antwi (2019). Effect of Eating Habits on Oral Health among Junior High Students in the Cape Coast Metropolis. *International Journal of Innovative Research in Medical Science*. https://doi.org/10.23958/ijirms/vol04-i12/798

27. Philip Narteh Gorleku, Jacob Setorglo, Sebastian Ken Amoah, **Albert Piersson**, Wasiya Mutawakilu (2019). Knowledge, Risk Factors and Perceived Attitude towards Cervical Cancer among Female Tertiary Students in the Tano-North Municipality in Ghana. *Urban Studies and Public Administration*. https://doi.org/10.22158/uspa.v2n4p205

28. Wiam Elshami, Mohamed Abuzaid, **Albert D Piersson**, Ola Mira, Mohamed AbdelHamid, Xiaoming Zheng, M G Kawooya (2019). OCCUPATIONAL DOSE AND RADIATION PROTECTION PRACTICE IN UAE: A RETROSPECTIVE CROSS-SECTIONAL COHORT STUDY (2002–2016). *Radiation Protection Dosimetry*. https://doi.org/10.1093/rpd/ncz184

29. **Albert Dayor Piersson**, Philip Nii Gorleku (2017). A national survey of MRI safety practices in Ghana. *Heliyon*. https://doi.org/10.1016/j.heliyon.2017.e00480

30. **A.D. Piersson**, G. Nunoo, P.N. Gorleku (2017). An audit of clinical practice, referral patterns, and appropriateness of clinical indications for brain MRI examinations: A single-centre study in Ghana. *Radiography*. https://doi.org/10.1016/j.radi.2017.10.004

31. **A.D. Piersson**, P.N. Gorleku (2017). Assessment of availability, accessibility, and affordability of magnetic resonance imaging services in Ghana. *Radiography*. https://doi.org/10.1016/j.radi.2017.06.002

32. **A.D. Piersson**, P.N. Gorleku (2017). Nephrogenic systemic fibrosis: A survey of the use of gadolinium-based contrast agents in Ghana. *Radiography*. https://doi.org/10.1016/j.radi.2017.04.006

33. **A.D. Piersson**, P.N. Gorleku (2017). The use of gadolinium-based contrast agents in Ghana with a focus on residual intracranial gadolinium deposition. *Radiography*. https://doi.org/10.1016/j.radi.2017.12.009

34. **Albert D Piersson** (2016). Essentials of cardiac MRI in clinical practice. *Journal of Cardiovascular Magnetic Resonance*. https://doi.org/10.1186/1532-429x-18-s1-t10

Book chapters 4

1. **Albert Dayor Piersson**, Wiam Elshami, Alberta Naa Afia Adjei, Klenam Dzefi-Tettey, Philip N. Gorleku (2022). The Role of Neuroimaging in Fall Prevention in Healthy Adults at Risk of Alzheimer's Disease. *IGI Global eBooks*. https://doi.org/10.4018/978-1-6684-5295-0.ch045

2. **Albert Dayor Piersson**, Wiam Elshami, Alberta Naa Afia Adjei, Klenam Dzefi-Tettey, Philip N. Gorleku (2021). The Role of Neuroimaging in Fall Prevention in Healthy Adults at Risk of Alzheimer's Disease. *Advances in medical diagnosis, treatment, and care (AMDTC) book series*. https://doi.org/10.4018/978-1-7998-4411-2.ch006

3. Ramgopal Kashyap, **Albert Dayor Piersson** (2018). Big Data Challenges and Solutions in the Medical

Industries. *Advances in systems analysis, software engineering, and high performance computing book series*. https://doi.org/10.4018/978-1-5225-3870-7.ch001

4. Ramgopal Kashyap, **Albert D. Piersson** (2018). Impact of Big Data on Security. *Advances in information security, privacy, and ethics book series*. https://doi.org/10.4018/978-1-5225-4100-4.ch015