EBENEZER TEYE Tatchie

Senior Lecturer · Department of Physics
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RESEARCH

Interests	Optics · Metrology
Areas	Waste Management and Disposal · Atomic and Molecular Physics, and Optics · Biomedical Engineering · Water Science and Technology · Archeology · Bioengineering

RESEARCH SUMMARY

11	83	4	3	0.63	0%
Publications	Citations	h-index	i10-index	Field-weighted impact	World top 10%

Counted from the 11 publications listed below, 2007–2024. Field-weighted impact is the mean over the 7 works scored for it; 1.00 is the world average for works of the same field, type and year. 0 of the 7 papers scored for it are among the world's most cited tenth for their field, type and year.

POSITIONS

Lecturer
Department of Physics, School of Physical Sciences, College of Agriculture and Natural Sciences, University of Cape Coast, Cape Coast, Ghana

EDUCATION AND QUALIFICATIONS

B. Sc. Physics, Diploma Education 1989–1993
Department of Physics, University of Cape Coast, Cape Coast, Ghana

PUBLICATIONS

Journal articles 9

1. Sylvia Owusua Donkor, Samuel Sonko Sackey, Michael Kwame Vowotor, Charles Lloyd Yeboah Amuah, Rabbi Boateng, **Ebenezer Teye Tatchie**, Jerry Opoku-Ansah, Peter Osei-Wusu Adueming (2024). Analysis of Colorfastness in Metallic Prints Using Absorption Spectroscopy. *Journal of Spectroscopy*. https://doi.org/10.1155/jspe/2632412
2. Raymond Edziah, Samuel S. Bentsiefi, Kwadwo Dompreh, Anthony Twum, Emmanuel Kofi Amewode, Patrick Mensah-Amoah, **Ebenezer T. Tatchie**, Cynthia Jebuni-Adanu, Samuel Y. Mensah (2024). Investigation of Acoustomagnetoelectric Effect in Bandgap Graphene by the Boltzmann Transport Equation. *World Journal of Condensed Matter Physics*. https://doi.org/10.4236/wjcmp.2024.141002
3. B. Sefa-Ntiri, B. Kwakye-Awuah, R. Edziah, B. Anderson, F. A. Armah, P. Mensah-Amoah, S. S. Sackey, F. Sam, A. G. Akyea, S. Yunus, **E. Tatchie**, B. K. Nkansah, F. Kumi (2020). Dissolved organic matter in hand-dug well water as groundwater quality indicator: assessment using laser-induced fluorescence spectroscopy and multivariate statistical techniques. *SN Applied Sciences*. https://doi.org/10.1007/s42452-020-2446-4
4. MK Vowotor, Samuel Sonko Sackey, Christiana Odumah Hood, **E Tatchie**, DC Adukpo, KK Mireku, S Nyarko (2015). Daily Intake and Sources of Trace Elements in Sarotherodon melanotheron from the Benya Lagoon, KEEA, Ghana, Using Instrumental Neutron Activation Analysis. *Journal of Basic & Applied Sciences*. https://www.researchgate.net/profile/Samuel-Sackey-2/publication/301201935_Daily_Intake_and_Sources_of_Trace_Elements_in_Sarotherodon_melanotheron_from_the_Benya_Lagoon_KEEA_Ghana_

Using_Instrumental_Neutron_Activation_Analysis/links/570bfc1a08aee0660351a954/Daily-Intake-and-Sources-of-Trace-Elements-in-Sarotherodon-melanotheron-from-the-Benya-Lagoon-KEEA-Ghana-Using-Instrumental-Neutron-Activation-Analysis.pdf

5. Samuel S. Sackey, Michael K. Vowotor, Afred Owusu, Patrick Mensah-Amoah, **Ebenezer T. Tatchie**, Baah Sefa-Ntiri, Christiana O. Hood, Sampson M. Atiemo (2015). Spectroscopic Study of UV Transparency of Some Materials. *Environment and Pollution*. https://doi.org/10.5539/ep.v4n4p1
6. Michael Kwame Vowotor, Christiana Odumah Hood, Samuel Sonko Sackey, Alfred Owusu, **Ebenezer Tatchie**, Savanna Nyarko, Daniel Manu Osei, Kwadwo Kesse Mireku, Crystal Bubune Letsa, Sampson M. Atieomo (2014). An Assessment of Heavy Metal Pollution in Sediments of a Tropical Lagoon: A Case Study of the Benya Lagoon, Komenda Edina Eguafo Abrem Municipality (KEEA) — Ghana. *Journal of Health and Pollution*. https://doi.org/10.5696/2156-9614-4-6.26
7. Baah Sefa-Ntiri, Mensah Amoah, R. J. S. Okoto, **Ebenezer T. Tatchie** (2014). Measurement Of Optical Turbidity Of Drinking Water Samples,Using Nephelometric And Laser Light Techniques. *American journal of contemporary scientific research*.
8. Paul K Buah-Bassuah, Hubertus M von Bergmann, **Ebenezer T Tatchie**, Christine M Steenkamp (2008). A portable fibre-probe ultraviolet light emitting diode (LED)-induced fluorescence detection system. *Measurement Science and Technology*. https://doi.org/10.1088/0957-0233/19/2/025601
9. **Ebenezer T. Tatchie** (2007). Investigation of Young's Modulus of elasticity in wood Using Electronic Speckle Pattern Interferometry (ESPI). *DGaO Proceedings (http://www.dgao-proceedings.de)*..

Theses 2

1. **EBENEZER TEYE Tatchie** (2011). A fibre optical system for reflectance measurement of plane surfaces. *university of cape coast*. https://ir.ucc.edu.gh/server/api/core/bitstreams/21f1285c-0f56-462b-95ab-7a8204f0fe56/content
2. **EBENEZER TEYE Tatchie** (2011). Detectionof trace gas (water vapour) using quantum cascade laser open-path system (qclops) version 2 sensor and the analysis of smoke from some selected wood species. *University of Cape Coast*. https://ir.ucc.edu.gh/server/api/core/bitstreams/726c533a-9559-4f39-a732-bf7b55d985bb/content