Patrick Mensah-amoah

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RESEARCH

Interests	Applied Optics · Optolectronics · Materials Science
Areas	Materials Chemistry · Atomic and Molecular Physics, and Optics · Biomedical Engineering · Civil and Structural Engineering · Electrical and Electronic Engineering · Environmental Engineering

RESEARCH SUMMARY

15	84	6	2	0.44	0%
Publications	Citations	h-index	i10-index	Field-weighted impact	World top 10%

Counted from the 15 publications listed below, 2015–2024. Field-weighted impact is the mean over the 14 works scored for it; 1.00 is the world average for works of the same field, type and year. 0 of the 14 papers scored for it are among the world's most cited tenth for their field, type and year.

PUBLICATIONS

Journal articles 15

1. 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
2. Justice Allotey Pappoe, Jerry Opoku-Ansah, Charles Lloyd Yeboah Amuah, Peter Osei-Wusu Adueming, Samuel Sonko Sackey, Rabbi Boateng, Justice Kwaku Addo, Moses Jojo Eghan, **Patrick Mensah-Amoah**, Benjamin Anderson (2023). Automatic Classification of Antimalarial Herbal Drugs Exposed to Ultraviolet Radiation from Unexposed Ones Using Laser-Induced Autofluorescence with Chemometric Techniques. *Journal of Fluorescence*. https://doi.org/10.1007/s10895-023-03281-5
3. Anthony Twum, Raymond Edziah, Samuel Yeboah Mensah, Kwadwo Dompreh, **Patrick Mensah-Amoah**, Augustine Arthur, Natalia G. Mensah, Kofi Adu, George Nkrumah-Buandoh (2021). Temperature Dependent Resistivity of Chiral Single-Walled Carbon Nanotubes in the Presence of Coherent Light Source. *World Journal of Condensed Matter Physics*. https://doi.org/10.4236/wjcmp.2021.114006
4. 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
5. SS Sackey, **P Mensah-Amoah**, G Amoako, Michael Kwame Vowotor, B Sefa-Ntiri (2019). Photo-Degradation of Microbes in Hand-Dug Well-Water Using Different Radiation Sources. *International Journal of Science and Engineering Investigations (IJSEI)*. https://ir.ucc.edu.gh/server/api/core/bitstreams/10ce3736-bbe7-47a1-8b50-bfa55fb2a873/content
6. Shemmira Yunus, Baah Sefa-Ntiri, Benjamin Anderson, Francis Kumi, **Patrick Mensah-Amoah**, Samuel Sonko Sackey (2019). Quantitative Pore Characterization of Polyurethane Foam with Cost-Effective Imaging Tools and Image Analysis: A Proof-Of-Principle Study. *Polymers*. https://doi.org/10.3390/polym11111879
7. Frederick Sam, George Amoako, Baah Sefa-Ntiri, Anthony Twum, **P. Mensah-Amoah**, John Tellam (2018).

Characterization of Potential Direct Recharge in the Gold Mining District of South-Western Ghana Using the Hydrus-1D Computer Code. *Journal of Geography and Geology*. https://doi.org/10.5539/jgg.v10n3p1

8. Amoako, George, **Mensah-Amoah, Patrick** (2018). Determination of Calorific Values of Coconut Shells and Coconut Husks. *Zenodo (CERN European Organization for Nuclear Research)*. https://doi.org/10.5281/zenodo.2647740
9. George Amoako, **Patrick Mensah-Amoah**, Frederick Sam, Samuel S Sackey (2018). Some Mechanical Properties of Coconut Fiber Reinforced Polyethylene Composite to Control Environmental Waste in Ghana. *Energy and Environment Research*. https://doi.org/10.5539/eer.v8n1p1
10. Samuel Sonko Sackey, Baah Sefa-Ntiri, **Patrick Mensah-Amoah**, Jonathan Ntow, Michael Kwame Vowotor, Andrew Huzortey, Angela Akyea (2017). Microbial Purification in Well-Water Using UV-Vis LEDs and Monitoring Using Laser-Induced Fluorescence. *Applied Physics Research*. https://doi.org/10.5539/apr.v9n6p36
11. G. Amoako, W. Zhang, M. Zhou, S. S. Sackey, **P. Mensah-Amoah** (2017). Rapid Laser Direct Writing of Plasmonic Components. *Applied Physics Research*. https://doi.org/10.5539/apr.v9n6p19
12. Sulemana S. Abukari, Frederick Sam, Samuel Y. Mensah, Natalia G. Mensah, Rabiu Musah, Anthony Twum, **Patrick M. Amoah**, Alfred Owusu (2016). Direct Current Generation in Carbon Nanotubes by Terahertz Field. *World Journal of Condensed Matter Physics*. https://doi.org/10.4236/wjcmp.2016.61008
13. George Amoako, Zhou Ming, Ye Rian, **Patrick Mensah Amoah**, Anthony Twum, Frederick Sam (2015). Connecting DNA origami structures using the biotin-streptavidin specific binding. *AFRICAN JOURNAL OF BIOTECHNOLOGY*. https://doi.org/10.5897/ajb2015.14697
14. Sulemana S. Abukari, Samuel Y. Mensah, Musah Rabiu, Kofi W. Adu, Natalia G. Mensah, Anthony Twum, Alfred Owusu, Kwadwo A. Dompreh, **Patrick Mensah-Amoah**, Matthew Amekpewu (2015). High-Frequency Electric Field Induced Nonlinear Electron Transport in Chiral Carbon Nanotubes. *World Journal of Condensed Matter Physics*. https://doi.org/10.4236/wjcmp.2015.54030
15. 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