Prof. Reuben Yao Tamakloe

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RESEARCH

Areas: Electrical and Electronic Engineering · Environmental Engineering · Electronic, Optical and Magnetic Materials · Electrochemistry · Materials Chemistry · Polymers and Plastics

RESEARCH SUMMARY

10	43	3	2	0.30	0%
Publications	Citations	h-index	i10-index	Field-weighted impact	World top 10%

Counted from the 10 publications listed below, 1996–2025. Field-weighted impact is the mean over the 10 works scored for it; 1.00 is the world average for works of the same field, type and year. 0 of the 10 papers scored for it are among the world's most cited tenth for their field, type and year.

POSITIONS

Senior Lecturer 2002–present
Physics, Kwame Nkrumah University of Science and Technology, Kumasi, Ghana

EDUCATION AND QUALIFICATIONS

PhD.
Physics, Kwame Nkrumah University of Science and Technology, Kumasi, Ghana

PUBLICATIONS

Journal articles 10

1. D. A. Adu-Boadu, M. Paal, M. B. Mensah, I. Nkrumah, **R. Y. Tamakloe**, F. K. Ampong, R. K. Nkum, F. Boakye (2025). Synthesis and characterization of Cd1-xPbxSe (0≤x≤1) thin films deposited by chemical bath for photovoltaic application. *Chalcogenide Letters*. https://doi.org/10.15251/cl.2025.227.603
2. Humphrey Darkeh Assem, Mensah Samuel Agyei, **Reuben Yao Tamakloe**, Robert K. Nkum (2024). A Review of Conductivity of Conductive Polymers; Polyaniline (Pani) and its Nanocomposites. *European journal of applied sciences*. https://doi.org/10.14738/aivp.122.16704
3. Matilda Kpeli, Michael K. E. Donkor, Francis K. Ampong, **Reuben Y. Tamakloe** (2024). INVESTIGATION AND V-I CHARACTERISTICS OF SUBSTRATE FOR MFC: CASE STUDY OF RAW HONEY. *MOMENTO*. https://doi.org/10.15446/mo.n68.110493
4. Humphrey Darkeh Assem, Mensah Samuel Agyei, **Reuben Yao Tamakloe**, Robert K. Nkum, Keshaw Singh (2024). Synthesis and Study of Electro-Optical Properties of Water-Soluble Polyaniline Prepared by Chemical Oxidation. *European journal of applied sciences*. https://doi.org/10.14738/aivp.122.16654
5. Matilda Kpeli, Michael K. E. Donkor, **Reuben Tamakloe** (2023). Exploring the use of raw honey as a fuel source for microbial fuel cells. *MOMENTO*. https://doi.org/10.15446/mo.n66.102235
6. Raymond A. Antwi, Isaac Nkrumah, Francis K. Ampong, Mark Paal, **Reuben Y. Tamakloe**, Robert K. Nkum, Francis Boakye (2023). Synthesis of Pure and Manganese Doped Zinc Oxide Nanoparticles by a Solution Growth Technique: Structural and Optical Investigation. *East European Journal of Physics*. https://doi.org/10.26565/2312-4334-2023-4-13
7. **Reuben Yao Tamakloe**, Michael Kweku Edem Donkor, Keshaw Singh (2017). Fabrication and Study of

Power- Output of MultiChamber Microbial Fuel Cells (Mfcs) With Clay as Ion Exchange Partition. *European Scientific Journal ESJ*. https://doi.org/10.19044/esj.2017.v13n30p173

8. **R.Y. Tamakloe**, T. Opoku-Donkor, M.K.E. Donkor, H. Agamasu (2015). Comparative study of double-chamber microbial fuel cells (DC-MFCs) using Mfensi clay as ion-exchange-partition: Effect of electrodes. *African Journal of Science Technology Innovation and Development*. https://doi.org/10.1080/20421338.2015.1043706
9. **R.Y. Tamakloe** (2015). Effect of COD and H2O2 concentration on DC-MFC. *Renewable Energy*. https://doi.org/10.1016/j.renene.2015.04.046
10. Keshaw Singh, **R.Y. Tamakloe** (1996). Power output of Al/SnO2/n-Si solar cell. *Solar Energy*. https://doi.org/10.1016/0038-092x(96)00289-7