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Tuning the electronic structures, work functions, optical property and stability of bifunctional hybrid graphene oxide/V-doped NaNbO₃ type-II heterostructures: a promising photocatalyst for H₂ production

Presenter Biography

Francis Opoku received his BSc. (Hons) Chemistry (2010) and M.Phil. Inorganic Chemistry (2014) degrees from the Kwame Nkrumah University of Science and Technology, Ghana. He is now pursuing a PhD degree in Chemistry under the supervision of Prof Penny Poomani Govender, Dr Krishna Kuben Govender and Prof Cornelia Gertina Catharina Elizabeth van Sittert in the Department of Applied Chemistry, University of Johannesburg, South Africa. His research interests include the design of efficient semiconductor-based photocatalyst materials and their applications in water splitting as well as degradation of pollutants in wastewater/water resources.

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