

CURRICULUM VITAE

Name: Prince Nana Amaniampong

Affiliation: CNRS-University of Poitiers, France

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Current position: CNRS Researcher

Employment history

2019 – present: CNRS Researcher

2016 – 2018: Postdoctoral Researcher

Academic qualifications

Nanyang Technological University, Singapore

KMUTT-JGSEE, Bangkok, Thailand

KNUST, Ghana

Chemical Engineering PhD 2016

Energy Technology and Management, MEng 2012

Chemical Engineering BSc 2009

Research interests

CO₂ utilisation, biomass valorisation, heterogeneous catalysis, sonochemistry, oxidation catalysis

Other key research achievements

Selected publications

1. Prince Nana Amaniampong, Quang Thang Trinh, Karine De Oliveira Vigier, Tran Dao, Ngoc Han Duy Quang, Yingqiao Wang, Matthew Sherburne, François Jerome, *J. Am. Chem. Soc.*, 2019, 141 (37), 14772-14779
2. Anaëlle Humblot, Laurie Grimaud, Audrey Allavena, Prince Nana Amaniampong, Karine De Oliveira Vigier, Tony Chave, Stéphane Streiff, François Jerome. Conversion of ammonia to hydrazine induced by high frequency ultrasound. (Selected as Front Cover Image). *Angewandte Chemie International Edition*, 133(48), 25434-25438
3. Prince Nana Amaniampong, Quang Thang Trinh, Teseer Bahry, Jia Zhang, François Jerome. Ultrasound-assisted oxidation of cellulose to oxalic acid over gold nanoparticles supported on iron-oxide. *Green Chemistry* (Selected as Front Cover Image). *Green Chem*, 2022, 24, 4800-4811
4. Anaëlle Humblot, Tony Chave, Prince Nana Amaniampong, Stéphane Streiff, François Jerome. Sonochemically-induced reduction of alkenes to alkanes with ammonia. *Angewandte Chemie International Edition*. *Angewandte Chemie International Edition*, 61(51), e202212719
5. Teseer Bahry, Shang Jiang, Umesh Sai Jonnalagadda, Wen Liu, Benoît Teychene, François Jerome, Samir Hemant Mushrif, Prince Nana Amaniampong. Water-assisted Sonochemically-induced Demethylenation of Benzyl Alcohol to Phenol over a Structurally Stable Cupric Oxide Catalyst. *Catalysis Science & Technology* 13(10), 2982-2993.

Technical disclosures and external consultancy

Technical disclosure: Patent, High Frequency Ultrasound Oligosaccharides synthesis. **WO/2019/038366**-. File reference: BFF 17P0418 / SGA

Research awards

- CNRS Bronze Medal 2024
- ERC Starting Grant 2023
- Young Researcher Award, French Chemical Society Catalysis Division, France (2022)
- Silver Award (second place) Best PhD Thesis of the year, SCBE NTU Singapore (2015)
- Chevron International Graduate Award, National Society of Black Engineers (NSBE, USA), Top 10 international graduate students for academic excellence (2011)