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EDUCATION

Chalmers University of Technology, Sweden *January 2017 - Present*
PhD in Material Science
Department of Physics

Katholieke Universitet Leuven, Belgium
Chalmers University of Technology, Sweden *August 2014 - June 2016*
Master of Science, Nanoscience and Nanotechnology

Universitas Indonesia, Indonesia *August 2009 - August 2013*
Bachelor of Science, Physics

PUBLICATIONS

1. Rationally Designed PdAuCu Ternary Alloy Nanoparticles for Intrinsically Deactivation-Resistant Ultrafast Plasmonic Hydrogen Sensing. ACS Sensors 4, 5, 1424-1432 (2019) (as the first author)
2. Metalpolymer hybrid nanomaterials for plasmonic ultrafast hydrogen detection. Nature material 18, 489-495 (2019) (as the second author)
3. Universal Scaling and Design Rules of Hydrogen-Induced Optical Properties in Pd and Pd-Alloy Nanoparticles. ACS Nano 12, 10, 9903-9912 (2019) (as the second author)

CONFERENCES

1. PTFE-Coated PdAu Alloy Nanoplasmonic Hydrogen Sensors with Enhanced Sensitivity and sub-Second Response Time. E-MRS Spring Meeting, Strasbourg, 22-26 May 2017 (oral presentation).
2. A Poisoning and Deactivation-Resistant PMMA-coated PdAu Nanoplasmonic Hydrogen Sensor with Enhanced Sensitivity and Fast Response Time. E-MRS Fall Meeting, Warsaw, 18-23 September 2017 (oral presentation).
3. A combined QCM and LSPR Study of Pd-Cu Alloy Nanoparticles for Hydrogen sensing. E-MRS Fall Meeting, Warsaw, 18-23 September 2017 (poster presentation).
4. Rationally Designed Binary and Ternary Alloy Nanoparticles for Poisoning-Resistant Hydrogen Detection with Sub-Second Response. Metal Hydride 2018, Guangzhou, 28 Oct-2 Nov 2018 (oral presentation).