

List of publications

Oral conferences

- Toussaint, C.; Cloots, R.; Nguyen, N. D.; Henrist, C.: Influence of mesoporosity in hematite films on water splitting efficiency. In *4th European PEFC and H2 Forum*: Luzerne (Switzerland), **2013**.
- Toussaint, C.; Dewalque, J.; Colson, P.; Vertruyen, B.; Cloots, R.; Nguyen, N. D.; Henrist, C.: A combination of mesoporosity and Ti-doping in hematite films for water splitting. In *EDTchim/MAIN Ph.D. Student Day*: Mons (Belgium), **2015**.

Posters

- Toussaint, C.; Cloots, R.; Henrist, C.: The effect of the mesoporosity on the crystalline growth of hematite films used as photoelectrodes in water splitting. In *Third international conference on multifunctional, hybrid and nanomaterials*: Sorrento (Italy), **2013**.
- Toussaint, C.; Cloots, R.; Henrist, C.: Influence of mesoporosity in hematite films on water splitting efficiency. In *E-MRS 2014 spring meeting*: Lille (France), **2014**.
- Toussaint, C.; Chatzikyriakou, D.; Cloots, R.; Vertruyen, B.; Henrist, C.: Comparison of structural features of spin-coated and USP-deposited templated α -Fe₂O₃ films. In *ACIN 2015*: Namur (Belgium), **2015**.

Papers

- Toussaint, C.; Le Tran, H. L.; Colson, P.; Dewalque, J.; Vertruyen, B.; Gilbert, B.; Nguyen, N. D.; Cloots, R.; Henrist, C.: Combining Mesoporosity and Ti-Doping in Hematite Films for Water Splitting. *The Journal of Physical Chemistry C* **2015**, *119*, 1642-1650.
- Henrist, C.; Toussaint, C.; de Vroede, J.; Chatzikyriakou, D.; Dewalque, J.; Colson, P.; Maho, A.; Cloots, R.: Surfactant-assisted ultrasonic spray pyrolysis of hematite mesoporous thin films. *Microporous and Mesoporous Materials* **2016**, *221*, 182-186.