Research outputs:

**Size-Dependence of the Melting Temperature of Individual Au Nanoparticles**
Research output: Research - peer-review › Journal article – Annual report year: 2019

**Impact of nanoparticle size and lattice oxygen on water oxidation on NiFeOxHy**
Research output: Research - peer-review › Journal article – Annual report year: 2018

**Reduced sintering of mass-selected Au clusters on SiO2 by alloying with Ti: an aberration-corrected STEM and computational study**
Research output: Research - peer-review › Journal article – Annual report year: 2018

**Spatio-temporally resolved in situ transmission electron microscopy of the dynamics of nanostructured materials**
Research output: Research - peer-review › Conference abstract for conference – Annual report year: 2018

**Creating model systems for catalysis with mass-selected nanoparticles: Characterization and properties**
Sebök, B. 2017 Department of Physics, Technical University of Denmark. 193 p.
Research output: Research › Ph.D. thesis – Annual report year: 2017

**H2/D2 exchange reaction on mono-disperse Pt clusters: enhanced activity from minute O2 concentrations**
Research output: Research - peer-review › Journal article – Annual report year: 2016

**Scalability and feasibility of photoelectrochemical H2 evolution: the ultimate limit of Pt nanoparticle as an HER catalyst**
Research output: Research - peer-review › Journal article – Annual report year: 2015

Projects:

**Novel catalysts based on bimetallic deposited clusters tested in gas-flow microreactors (ESR4), CATSENSE**
Sebök, B., Chorkendorff, I., Horch, S., Lievens, P. & Yin, J. Marie Curie (EU-stipendium)
01/04/2014 → 16/08/2017
Project: PhD

Activities:

**Spatio-temporally resolved in situ transmission electron microscopy of the dynamics of nanostructured materials**
Hansen, T. W. (Invited speaker), Liu, P. (Other), Madsen, J. (Other), Philomena Schlexer (Other), Sebök, B. (Other), Schiætz, J. (Other), Wagner, J. B. (Other)
6 Aug 2017 → 10 Aug 2017
Activity: Talks and presentations › Conference presentations