Jan Kehres - Research outputs - DTU Orbit (10/08/2019)

**Evolution of intermetallic GaPd2/SiO2 catalyst and optimization for methanol synthesis at ambient pressure**
Research output: Contribution to journal › Journal article – Annual report year: 2019 › Research › peer-review

**Intrinsic XRF corrections in Timepix3 CdTe spectral detectors**
Research output: Contribution to journal › Journal article – Annual report year: 2019 › Research › peer-review

**Laser ablation of high-aspect-ratio hole arrays in tungsten for X-ray applications**
Silvestre, C. M., Hemmingsen, J. H., Dreier, E. S., Kehres, J. & Hansen, O., 2019, In : Microelectronic Engineering. 209, p. 60-65
Research output: Contribution to journal › Journal article – Annual report year: 2019 › Research › peer-review

**Virtual subpixel approach for single-mask phase-contrast imaging using Timepix3**
Research output: Contribution to journal › Conference article – Annual report year: 2019 › Research › peer-review

**Simulation tools for scattering corrections in spectrally resolved X-ray Computed Tomography using McXtrace**
Research output: Contribution to journal › Journal article – Annual report year: 2018 › Research › peer-review

**Spectral correction algorithm for multispectral CdTe x-ray detectors**
Research output: Contribution to journal › Journal article – Annual report year: 2018 › Research › peer-review

**Subpixel resolution in CdTe Timepix3 pixel detectors**
Research output: Contribution to journal › Journal article – Annual report year: 2018 › Research › peer-review

**A METHOD OF SECURITY SCANNING OF CARRY-ON ITEMS, AND A CARRY-ON ITEMS SECURITY SCANNING SYSTEM**
Research output: Patent › Patent – Annual report year: 2017 › Research

**A Monte Carlo simulation of scattering reduction in spectral x-ray computed tomography**
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2017 › Research › peer-review

**Detector response artefacts in spectral reconstruction**
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2017 › Research › peer-review
Microfabrication of grating for X-ray phase contrast imaging
Technical University of Denmark (DTU), 1 p. H-13
Research output: Chapter in Book/Report/Conference proceeding › Conference abstract in proceedings – Annual report year: 2017 › Research › peer-review

Microfabrication of gratings for X-ray Imaging
Research output: Contribution to conference › Poster – Annual report year: 2017 › Research › peer-review

Spectral correction algorithm for multispectral CdTe x-ray detectors
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2017 › Research › peer-review

Threat detection of liquid explosives and precursors from their x-ray scattering pattern using energy dispersive detector technology
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2017 › Research › peer-review

Novel micro-reactor flow cell for investigation of model catalysts using in situ grazing-incidence X-ray scattering
Research output: Contribution to journal › Journal article – Annual report year: 2016 › Research › peer-review

Reduction of a Ni/Spinel Catalyst for Methane Reforming
Research output: Contribution to journal › Journal article – Annual report year: 2014 › Research › peer-review

Morphology Changes of Co Catalyst Nanoparticles at the Onset of Fischer-Tropsch Synthesis
Research output: Contribution to journal › Journal article – Annual report year: 2014 › Research › peer-review

In situ characterization of Pd2Ga catalysts for methanol synthesis by Electron Microscopy and X-ray Diffraction
Research output: Contribution to journal › Journal article – Annual report year: 2013 › Research › peer-review

Introducing a standard method for experimental determination of the solvent response in laser pump, x-ray probe time-resolved wide-angle x-ray scattering experiments on systems in solution
Research output: Contribution to journal › Journal article – Annual report year: 2013 › Research › peer-review

Methanation on mass-selected Ru nanoparticles on a planar SiO2 model support: The importance of under-coordinated sites
Research output: Contribution to journal › Journal article – Annual report year: 2013 › Research › peer-review