

Qiongxiao Wu - DTU Orbit (06/08/2016)

Wu, Qiongxiao

CHEC Research Centre - Former

#### Publications:

##### **Influence of preparation method on supported Cu-Ni alloys and their catalytic properties in high pressure CO hydrogenation**

Wu, Q., Eriksen, W. L., Duchstein, L. D. L., Christensen, J. M., Damsgaard, C. D., Wagner, J. B., Temel, B., Grunwaldt, J-D. & Jensen, A. D. 2014 In : *Catalysis Science & Technology*. 4, 2, p. 378-386

Publication: Research - peer-review › Journal article – Annual report year: 2014

##### **In situ observation of Cu-Ni alloy nanoparticle formation by X-ray diffraction, X-ray absorption spectroscopy, and transmission electron microscopy: Influence of Cu/Ni ratio**

Wu, Q., Duchstein, L. D. L., Chiarello, G. L., Christensen, J. M., Damsgaard, C. D., Elkjær, C. F., Wagner, J. B., Temel, B., Grunwaldt, J-D. & Jensen, A. D. 2014 In : *ChemCatChem*. 6, 1, p. 301-310

Publication: Research - peer-review › Journal article – Annual report year: 2014

##### **Catalytic synthesis of alcoholic fuels for transportation from syngas**

Wu, Q., Jensen, A. D., Grunwaldt, J-D., Temel, B. & Christensen, J. M. 2013 Technical University of Denmark, Department of Chemical Engineering. 208 p.

Publication: Research › Ph.D. thesis – Annual report year: 2013

##### **Supported molybdenum carbide for higher alcohol synthesis from syngas**

Wu, Q., Christensen, J. M., Chiarello, G. L., Duchstein, L. D. L., Wagner, J. B., Temel, B., Grunwaldt, J-D. & Jensen, A. D. 2013 In : *Catalysis Today*. 215, p. 162-168

Publication: Research - peer-review › Journal article – Annual report year: 2012

##### **Active carbon supported molybdenum carbides for higher alcohols synthesis from syngas**

Wu, Q., Chiarello, G. L., Christensen, J. M., Temel, B., Grunwaldt, J-D. & Jensen, A. D. 2012

Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2012

##### **CO hydrogenation to methanol on Cu-Ni catalysts: Theory and experiment**

Studt, F., Abild-Pedersen, F., Wu, Q., Jensen, A. D., Temel, B., Grunwaldt, J-D. & Nørskov, J. K. 2012 In : *Journal of Catalysis*. 293, p. 51-60

Publication: Research - peer-review › Journal article – Annual report year: 2012

##### **Higher alcohols synthesis from syngas over carbon-nanotube supported Iron-Chromium catalysts**

Wu, Q., Arndal, T. M. H., Jensen, L., Christensen, J. M., Duchstein, L. D. L., Temel, B. & Grunwaldt, J-D. 2012

Publication: Research › Conference abstract for conference – Annual report year: 2012

##### **In situ investigation of catalysts for alcohol synthesis**

Duchstein, L. D. L., Sharafutdinov, I., Wu, Q., Wagner, J. B. & Damsgaard, C. D. 2012

Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2012

##### **Novel highly active and selective Cu-Ni based methanol synthesis catalyst**

Wu, Q., Christensen, J. M., Jensen, A. D., Studt, F., Abild-Pedersen, F., Nørskov, J. K., Temel, B., Chiarello, G. L. & Grunwaldt, J-D. 2012

Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2012

##### **Synthesis and Activation of Catalysts for Biofuel Synthesis in an Environmental Transmission Electron Microscope**

Duchstein, L. D. L., Wu, Q., Elkjær, C. F., Sharafutdinov, I., Hansen, T. W., Damsgaard, C. D. & Wagner, J. B. 2012

Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2012

**Dynamic studies of catalysts for biofuel synthesis in an Environmental Transmission Electron Microscope**

Duchstein, L. D. L., Wu, Q., Christensen, J. M., Elkjær, C. F., Sharafutdinov, I., Wagner, J. B., Hansen, T. W. & Dunin-Borkowski, R. E. 2011 *MC 2011 Kiel: Microscopy Conference 2011*. DGE – German Society for Electron Microscopy, p. M3-336

Publication: Research - peer-review › Conference abstract in proceedings – Annual report year: 2011

**In situ XAS study of supported CuNi-catalyst for CO hydrogenation**

Chiarello, G. L., Wu, Q., Christensen, J. M., Temel, B., Boubnov, A., Bauer, M., Jensen, A. D. & Grunwaldt, J-D. 2011

Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2011

**Supported Cu/Group VIII metal alloys for synthesis of alcoholic fuels from syngas**

Wu, Q., Christensen, J. M., Temel, B., Grunwaldt, J-D. & Jensen, A. D. 2011

Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2011

**Supported molybdenum carbides for higher alcohols synthesis from syngas**

Wu, Q., Christensen, J. M., Chiarello, G. L., Temel, B., Grunwaldt, J-D. & Jensen, A. D. 2011 In : American Chemical Society. Division of Fuel Chemistry. Preprints of Symposia. 55, 1

Publication: Research - peer-review › Conference article – Annual report year: 2011

**Projects:**

**Catalytic Synthesis of Alcoholic Fuels for Transportation from Syngas**

Wu, Q., Jensen, A. D., Grunwaldt, J., Temel, B., Riisager, A., Hinrichsen, K. & Østberg, M.

01/01/2010 → 19/03/2013

Project: PhD