Dr Yahui Sun

(61)449 911 008 | yahui.sun@hotmail.com | www.linkedin.com/in/yahuisun | Meadowbank NSW

PROFILE

- PhD of Chemical Engineering – Nanomaterial development for hydrogen storage
- Master of Environmental Engineering – Catalysis for pollution control
- Research experience in both Chinese and English environment
- 11 publications in various journals
- 4 years freelance translation experience on various types of documents

EDUCATION

PhD of Engineering (Chemical) **Sept 2014 – Jun 2018**

UNSW Sydney

- Thesis: Electroless Chemical Synthesis of Magnesium Nanomaterials for Hydrogen Storage: Properties and Alternative Light Activation

Master of Engineering (Environmental) **Sept 2011 – Jul 2014**

Dalian University of Technology

- Thesis: Hydroxyapatite Modification and Studies on the Properties for Formaldehyde Catalytic Oxidation

Bachelor of Engineering (Environmental) **Sept 2007 – Jul 2011**

Dalian University of Technology

- Achieved an overall average score of 92 out of 100
- Dalian Outstanding Graduate

TRANSLATION EXPERIENCE

Freelance Scientific Translator **2019-present**
Cactus Communications

- Language pair: Chinese-English
- Translation topics: Material, Chemical Engineering, Catalysis, Environmental Science and Engineering, and Energy

Freelance Translator **2014-2018**

- Translated technical documents, including equipment manuals and factory documents

Translation for Research Purpose **2011-2018**

- Translated research papers for research purposes during master and PhD study
- Composed publication with both Chinese and English versions

TECHNICAL SKILLS

- Microsoft Office suite – proficient in utilising Excel, Word, PowerPoint, Outlook
- Endnote – experienced in managing literature and reference

PUBLICATIONS *

1. *Yahui Sun*, Chaoqi Shen, Qiwen Lai, Wei Liu, Da-Wei Wang, Kondo-Francois Aguey-Zinsou. Tailoring magnesium-based materials for hydrogen storage through synthesis: Current state of the art. Energy Storage Materials, 2018. 10: 168-198.

2. *Yahui Sun*, Aguey-Zinsou K-F. Light-activated hydrogen storage in Mg, LiH and NaAlH4. ChemPlusChem, 2018, 83, 904.

3. *Yahui Sun*, Tianyuan Ma, and Kondo-Francois Aguey-Zinsou. Magnesium supported on nickel nanobelts for hydrogen storage: Coupling nanosizing and catalysis. ACS Applied Nano Materials, 2018, 3: 1272.

4. *Yahui Sun*, Kondo-Francois Aguey-Zinsou. Dual-tuning the thermodynamics and kinetics: Magnesium -naphthalocyanine nanocomposite for low temperature hydrogen cycling. International Journal of Hydrogen Energy, 2018, 43: 5089.

5. *Yahui Sun*, Kondo-Francois Aguey-Zinsou. Synthesis of magnesium nanofibers by electroless reduction and their hydrogen interaction properties. Particle and Particle Systems Characterization, 2017, 34: 1600276.

6. *Yahui Sun*, Zhenping Qu, Dan Chen, Hui Wang, Fan Zhang, Qiang Fu. Formaldehyde catalytic oxidation over hydroxyapatite modified with various organic molecules. Chinese Journal of Catalysis, 2014, 35: 1927-1936. (*In both Chinese and English version*)

* Full list available if required.

REFERENCES

Dr Kondo-Francois Aguey-Zinsou

Supervisor (PhD research)
Professor, School of Chemical Engineering, UNSW Sydney
Email: f.aguey@unsw.edu.au

Mr. Poojan Modi

Former College
PhD researcher, School of Chemical Engineering, UNSW Sydney
Email: p.modi@unsw.edu.au

Dr Zhenping Qu

Supervisor (Master research)
Professor, School of Environmental Engineering, Dalian University of Technology
Email: quzhenping@dlut.edu.cn