

Curriculum Vitae

XIAOLONG (Bruce) LIU, PH.D.

Associate Professor of WIPM (Wuhan Institute of Physics and

Mathematics, Chinese Academic of Science) in China

Email: xiaolong.liu@wipm.ac.cn or liuxl2002cn@gmail.com

Work Experiences:

March 1st 2013-now

Associate Professor of WIPM (Wuhan Institute of Physics and Mathematics, Chinese Academic of Science) in China

April 1st 2012 to December 31st 2012

Postdoctoral fellowship with Prof. Alain Tuel and Prof. Eric Puzenat at **IRCELYON** (Lyon, France)

Projects: Innovative routes to Catalysts based on Ta₃N₅ and g-C₃N₄

April 1st 2009 to March 31st 2012

Postdoctoral fellowship with Prof. Alain Tuel at **IRCELYON** (Lyon, France)

Projects: Zeolites synthesis mechanism.

EDUCATION:

August 25th 2004 to April 30th 2008

PHD in chemistry, **University of Guelph** (Guelph, Ontario, Canada)

Dissertation title: "NMR SPECTROSCOPY OF SILVER AND ARSENIC CONTAINING SOLIDS"

Advisor: Prof. Glenn H. Penner

September 1st 2000 to July 1st 2003

Master degree in chemistry, **Jilin University** (Changchun, P. R. China)

September 1st 1995 to July 1st 1999

Bachelor of Science in chemistry, **Jilin University** (Changchun, P. R. China)

Research Interests:

1. Zeolites crystallization mechanisms;
2. Solid State NMR;
3. Microporous and mesoporous materials;
4. Heterogeneous catalysis materials and reaction mechanisms;
5. Photocatalyst

PUBLICATIONS

1. G. H. Penner, X. Liu, "Silver NMR Spectroscopy", *Prog. in NMR Spectroscopy*, 2006,49 151-167.
2. Xiaolong Liu, Ugo Ravon, and Alain Tuel, "Evidence for F⁻/SiO⁻ Anion Exchange in the Framework of As-Synthesized All-Silica Zeolites", *Angew. Chem. Int. Ed.*, 2011, 50, 5900–5903.
3. Xiaolong Liu, Ugo Ravon, and Alain Tuel, "Fluoride Removal from Double Four-Membered Ring (D4R) Units in As-Synthesized Ge-Containing Zeolites", *Chem. Mater.*, 2011, 23 (22), 5052–5057.
4. Xiaolong Liu, Ugo Ravon, and Alain Tuel, "Synthesis of all-silica zeolites from highly concentrated gels containing hexamethonium" *Microporous and Mesoporous Materials*, 2012, 156, 257-261.
5. Xiaolong Liu, Ugo Ravon, Françoise Bosselet, Gerard Bergeret, and Alain Tuel, "Probing Ge distribution in zeolite frameworks by post-synthesis introduction of fluoride in as-made materials", *Chem. Mater.*, 2012, 24 (15), pp 3016–3022.
6. Xiaolong Liu, Ugo Ravon, Alain Tuel, "EFFECT OF HF CONCENTRATION ON THE COMPOSITION AND DISTRIBUTION OF Ge SPECIES IN THE FRAMEWORK OF ITQ-13 AND ITQ-17 ZEOLITES", *Microporous and Mesoporous Materials*, 2013,170,194-199.