

Name: Zili Wu
Chemical Science Division and
Center for Nanophase Materials Sciences
Oak Ridge National Laboratory
1 Bethel Valley Rd., Oak Ridge, TN 37831

Position Title: R&D Staff
(865) 576-1080
(865) 574-1753 FAX
wuz1@ornl.gov

Education/Training:

Wuhan University, Wuhan, China	B.S.	1996	Environmental Chemistry
Dalian Institute of Chemical Physics, Dalian, China.	Ph.D.	2001	Physical Chemistry

Research and Professional Experience:

2016 – Present Group Leader, Surface Chemistry and Catalysis group at Chemical Science Division
2014 – Present Thrust 1 Leader, UNCAGE-ME Energy Research Frontier Center of DOE-BES.
2006 – Present Research Staff, joint appointment between Chemical Sciences Division and Center for Nanophase Materials Sciences, Oak Ridge National Laboratory
2003-2006 Postdoc, Center for Catalysis and Surface Science, Northwestern University.
2001-2003 Research associate, Dalian Institute of Chemical Physics, China

Professional Activities:

Proposal reviewer: DOE, NSF, ACS-PRF and DOE User Facilities.

Symposium organizers: ~10 symposia at ACS National Meetings: 245th ACS Meeting “Catalysis by Materials with Well-defined Structures”, 246th ACS Meeting “Catalysis and Catalysts for Energy and Fuels”, 247th ACS Meeting “Carbon Catalysts”, 248th ACS Meeting “Advances in in situ and operando studies of catalysis”, 249th ACS Meeting “Surface Chemistry and Catalysis on Oxides”, 250th ACS Meeting “Advances in Ceria Based Catalysis: Structural, Electronic and Chemical Properties Tailored for Chemical Conversion”, 251st ACS Meeting “Novel Materials for Energy and Fuels”.

Book Editor: “Catalysis by Materials with Well-defined Structures”, 2015

Membership: American Chemical Society, North American Catalysis Society, American Vacuum Society.

Editorial Board: Chinese Journal of Catalysis, 2014 – present; Chinese Chemical Letters, 2016 – present.

Journal reviewer: Journal of American Chemical Society, Angew Chem Int. Ed., Chemical Communications, Journal of Catalysis, Journal of Physical Chemistry, Physical Chemistry Chemical Physics, ChemCatChem, Applied Catalysis A and B, Catalysis Today, Catalysis Communications, Journal of Nanoparticle Research etc.

Publications Total ~100; 1 edited book, 6 book chapters, H-index 30, citations 3000+

Presentations > 50 including over 20 invited talks at national and international conferences

Honors and Awards

- 2001, Liu Yongling Award, Chinese Academy of Sciences (20 per year nationwide)
- 2000, P&G Excellent PhD Student Award, Chinese Academy of Sciences
- 1996, Award for Excellent Graduate, Wuhan University (1 per class)
- 1993, 1994, 1995, People’s Award, Huikai Award, Wuhan University

Collaborators and Co-editors

Collaborators: B. Eichhorn, University of Maryland; F. Tao, University of Kansas; S.Q. Ma, University of S. Florida; W.Z. Li, University of Iowa.; Z. Y. Gu, University of Massachusetts Lowell; X. Zhao, University of Memphis; M. Banares, Institute of Catalysis and Petroleumchemistry (Spain); B. Sumpter, C. K. Narula, J. S. Choi, E. Momontov, A. I. Kolesnikov, ORNL.

Graduate and Postdoctoral Advisors and Advisees

Ph.D. advisors: Qin Xin, Can Li (Dalian Institute of Chemical Physics, Chinese Academy of Sciences, China), and A. Guerrero-Ruiz (Institute of Catalysis and Petroleumchemistry, Spain).

Postdoctoral Advisor: Peter C. Stair (Northwestern University and Argonne National Laboratory)

Graduate advisees: Mar Piernavieja-Hermida (with Prof. Y. Lei of University of Alabama – Huntsville)

Postdoc advisees: Eric Formo, Amanda Mann, Uma Tumuluri, Rui Peng, Guo Shiou Foo, Felipe Polo Garzon.