Henry Zhao, Ph.D

EDUCATION

Adjunct Certification Program, Lone Star College-Tomball, Tomball, TX **Sept-Dec, 2011**

Ph.D. Analytical Chemistry, Chinese Academy of Sciences, Changchun, China **July, 2002**
*"**Electrochemistry of Soluble Polyimide."***

M.S. Analytical Chemistry, University of Houston, Houston, TX **May, 2005**
"Electrochemistry and Spectroscopy of Porphyrins and Corroles."

M.S. Bio-inorganic Chemistry, Chinese Academy of Sciences, Changchun, China **July, 1996**
*"**Mechanisms of the complexes of rare earth and amino acids reactions"***

B.S. Physical Chemistry, Xiamen University, Xiamen, China **July, 1990**

TEACHING EXPERIENCES

***Instructor of Chemistry,** Wharton County Junior College, Wharton, TX **01/2014 - present**
Course: CHEM 1405, 1411, 1412, 2423 and 2425 (lecture and lab)

***Adjunct Faculty,** San Jacinto College (South & North Campus), TX **01/2014 - present**
Course: CHEM 1405, CHEM 1312 (lecture and lab)

***Adjunct Faculty,** Houston Community College (different Campus), **01/2012-present**
Course: CHEM 1405, CHEM 1411, CHEM 1412, CHEM 2425 (lecture and lab)

***Adjunct Faculty,** Lone Star College (Tomball & Montgomery campus), TX **08/2011-present**
Course: CHEM 1405, CHEM 1411, CHEM 1412 (lecture and lab)

*** Instructor of Chemistry,** Guangxi Pharmaceutical College, Nanning, China **09/1990-07/1993**
Course: Organic Chemistry, Pharmaceutical Chemistry (lecture and lab)

Non-TEACHING Professional EXPERIENCES

Scientist*, *R & D Center*, Ingenia Polymers Inc., Houston, TX **01/2012-05/2013
- HPLC, DSC, Rheometer, XRF testing
- Methods development based on customer requests.

***Senior Scientist,** InFlame Therapeutics Inc., Houston, TX **12/2005-10/2010**
- GC, HPLC, MS, UV-Vis, Capillary Electrophoresis, for analysis
- Experiment model design, Protocol development, and methods modification.

***Research Assistant,** Department of Chemistry, University of Houston **01/2001-05/2005**
- Electrochemical and spectroelectrochemical research on porphyrins and phthalocyanines analogs.
- Instrumental analysis (NMR, ESR, FTIR, UV-Vis, GC, HPLC) on newly developed nanoscale materials used as anti-tumor drugs, anion sensors, electrochemical catalyst.

***Research Scientist**,* Chinese Academy of Sciences, Changchun, China **09/1996-07/2000**
Projects — Soluble Polyimide electrochemical, spectroscopic, and synthetic research.

PUBLICATIONS (selected, total 14 publications)

(1) Ou, Zhongping; Shao, Jianguo; Zhao, Hui; Kei Ohkubo; Ingar H. Wasbottenc; Shunichi Fukuzumi; Abhik Ghosh and Karl M. Kadish. "Spectroelectrochemical and ESR studies of highly substituted copper corroles." *Journal of Porphyrins and Phthalocyanines* **2004**, *8*, 1236-1247

(2) Ou, Zhongping; Zhou, Zhiguo; Zhao, Hui; Tat, Fatma T.; Zhang, X. Peter; Wilson, Stephen R. and Kadish, Karl M. "Electrochemistry and Photophysics of Fullerene-Porphyrin Dyads." *Proceedings-Electrochemical Society* **2004**, *2004-14 (Fullerenes-Volume 14: The Exciting World of Nanocages and Nanotubes)*, 18-29.

(3) Hui Zhao, Zhongping Ou, Jianguo Shao, Ingar Wasbotten, Abhik Ghosh, Karl M. Kadish. "Electrochemistry and Spectroelectrochemistry of Substituted Copper Corroles." *Abstracts of Papers, 205th ECS Meeting, San Antonio, TX*, May 9-14, **2004**, Abstract #477.

(4) Hui Zhao, Zhongping Ou, Zhiguo Zhou, Stephen R. Wilson, Karl M. Kadish. "Electrochemistry of Substituted Porphyrin Zinc-C60 Dyads." *Abstracts of Papers, ICPP-3 International Meeting, New Orleans, LA*, July 11-16, **2004**, Abstract #912.

(5) Zhao, H.; Yang, H.; Xing, W.; Ding, M.; Lu, T. "Effect of blended solvents on electrochemical behaviors of soluble polyimide." *Journal of Nanjing Normal University, Natural Sciences (Chinese)* **2002**, *25*, 76-78.

(6) Zhao, H.; Yang, H.; Xing, W.; Ding, M.; Lu, T. "Effect of the structure of the non-electrochemical active part in soluble polyimides on the electrochemical behavior." *Journal of Nanjing Normal University, Natural Sciences (Chinese)* **2002**, *25*, 63-66.

(7) Zhao, H.; Lu, H.-Y.; Xing, W.; Yang, H.; Ding, M.-X.; Lu, T.-H. "Electrochemical behavior of soluble polyimides." *Chemical Journal of Chinese Universities (Chinese)* **2001**, *22*, 905-907.

REFERENCES AVAILABLE UPON REQUEST