

Kuan-Yu Liu

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Education and academic experiences

Teaching Asistant, General Chemistry I & Physical Chemistry II, Department of Biological Science and Technology, National Chiao Tung University, Taiwan. (2012)

Master Student in Department of Biological Science and Technology, National Chiao Tung University, Taiwan. (Sept. 2011 –)

Research Assistant, Department of Biomedical Imaging and Radiological Sciences, National Yang-Ming University, Taiwan. (Sept. 2010 – July 2011)

Mandatory Military Service. (July 2009 – June 2010)

B.S. Department of Biological Science and Technology, National Chiao Tung University, Taiwan. (Sept. 2005 – June 2009)

Honors

Academic Achievement Award, 2011-2012.

The member of The Phi Tau Phi Scholastic Honor Society of the Republic of China, 2009.

The Zhu Shun Yi He Qin Scholarship, ZyXEL Communications Corp., 2008. (Only one student in each department would receive the award.)

Academic Achievement Award (Top 5% in class), 2005 – 2008.

Publication

1. Chih-Cheng Lin, Chia-Ling Chen, **Kuan-Yu Liu** and C. Allen Chang. *Dissociation kinetics of macrocyclic trivalent lanthanide complexes of 1,4,7,10-tetraazacyclododecane-1,7-diacetic acid (DO2A)*, *Dalton Trans.*, **2011**, 40, 6268-6277.
2. Zong-Sian Lin, Tzung-Wen Chiou, **Kuan-Yu Liu**, Chang-Chih Hsieh, Jen-Shiang K. Yu, Wen-Feng Liaw. *A Dinitrosyliron Complex within the Homoleptic Fe(NO)₄ Anion: NO as Nitroxyl and Nitrosyl Ligands within a Single Structure*, *Inorg. Chem.*, **2012**, 51, 10092-10094.
3. **Kuan-Yu Liu**, and Jen-Shiang K. Yu. Theoretical Study on Dimanganese and Diiron Complexes of a Binucleating Cyclam Ligand, Manuscript in preparation.

Conference Presentations

1. **Kuan-Yu Liu**, and Jen-Shiang K. Yu, "Theoretical study on Zn(II) cyclam and its derivatives", Annual Meeting of Chinese Chemical Society, **December 3-4, 2011**, Taiwan.
2. **Kuan-Yu Liu** and **J.-S. K. Yu***, "Theoretical Investigation of the Potential Energy Surface of Antiferromagnetically Coupled Mn-Mn Single Bonds", The 8th Congress on Electronic Structure: Principles and Applications (ESPA 2012), **June 26-29, 2012**, Cosmocaixa, Barcelona, Spain.
3. **Kuan-Yu Liu**, and Jen-Shiang K. Yu, "Theoretical investigation in the electronic structures of dinitrosyliron complexes of $[(\text{NO}^-)_2\text{Fe}(\text{NO})_2]^-$ and $[(\text{N}_3^-)_2\text{Fe}(\text{NO})_2]^-$ ", Annual Meeting of Chinese Chemical Society, **December 2-3, 2012**, Taiwan.
4. **Kuan-Yu Liu** and **J.-S. K. Yu***, "Theoretical Investigations on the Electronic Structures of Homoleptic $[(\text{NO}^-)_2\text{Fe}(\text{NO})_2]^-$ Anion and Related Dinitrosyliron Complexes", invited lecture in Pure and Applied Chemistry International Conference (PACCON 2013), **January 23-25, 2013**, The Tide Resort, Chon Buri, Thailand.