

# Ohio Inorganic Weekend 2009

Poster Presentations

Friday, 13 November, 2009

7:00-9:00PM Hovorka Atrium (Refreshments will be available)

**KM[Fe(CN)<sub>6</sub>]·3H<sub>2</sub>O (M=Bi, Gd): A Novel Nanoplatfrom for Developing New-Generation CT-MRI Bimodal Contrast Agents**

Huang, Songping D.; Perera, Vindya; Hao, Jihua; Basilion, James; Flask, Chris  
Kent State University

**Low temperature Synthesis and Crystallization of Zirconium Sulfide**

Vivekens, Boris; Lind, Cora  
University of Toledo

**Synthesis of n-Type Polythiophene for Photovoltaics via Catalytic Living Polycondensation**

Wang, Chao; Li, Jia  
College of Polymer Science and Polymer Engineering

**Stable and Slowly-Tumbling Eu(II) Complexes for Potential Use as Contrast Agents in Magnetic Resonance Imaging**

Garcia, Joel; Gamage, Nipuni Dhanesha H.; Allen, Matthew J.  
Wayne State University

**Toward New Contrast Agents for Magnetic Resonance Imaging**

Moore, Jeremiah D.; Vithanarachchi, Sashiprabha M.; Gamage, Nipuni Dhanesha H.; Dissanayake, Prabani; Allen, Matthew J.  
Wayne State University

**A Responsive Concentration-independent Contrast Agent for Magnetic Resonance Imaging (MRI)**

Moore, Jeremy; Neal, Stephanie; Mahanama, Buddhima; Allen, Matthew J.  
Wayne State University

**Dynamics of Water-tolerant Lanthanide Catalysts**

Allen, Matthew J.; Dissanayake, Prabani; Allohaibi, Zahraa; Mei, Yujiang  
Wayne State University

**Unique Reactivities of PCP Pincer Ligand Based Cationic Nickel Complexes**

Senour, Emily B.; Chakraborty, Sumit; Guan, Hairong  
University of Cincinnati

**Cross-Coupling of Aryl Iodides and Thiols Catalyzed by Nickel(II) PCP-Pincer Complexes**

Zhang, Jie; Krause, Jeanette A.; Guan, Hairong  
University of Cincinnati

**Nanoparticulate Magnese T1 MRI Contrast Agents**

Kandanapitiye, Murthi S.; Shokouhimehr, Mohammadreza; Perera, Vindya; Huang, Songping D.  
Kent State University

**Lithium Prussian Blue Treatment for Bipolar Disorder**

Liticker, Kaitlyn M.

Kent State University

**Chemistry for Chemistry**

Sasani, Sasan

Tehran University

**Synthesis of Iron Pincer complexes via C-H Bond Activation**

Bhattacharya, Papri; Krause, Jeanette A.; Guan, Hairong

University of Cincinnati

**Copper Catalyzed Gold(I) Click Chemistry**

Gao, Lei; Partyka, David; Gray, Thomas

Case Western Reserve University

**Synthesis of a New Series of (Phosphine)gold(I) Triazolate Dendrimers with a Fluorescent Marker**

Robilotto, Thomas, J.; Alt, Daniel, S.; von Recum, Horst, A.; Gray, Thomas, G.

Case Western Reserve University

**Negative Thermal Expansion Materials in the  $A_2Mo_3O_{12}$  Family with Mixed Site Occupancy**

Kraemer, Shannon K; Lind, Cora

University of Toledo

**SCrALS - Service Crystallography at the Advanced Light Source (ALS): Synchrotron Access for Chemical Crystallography**

Krause, Jeanette A.; Oliver, Allen G.

University of Cincinnati

**Functionalized Calix[4]arenes as Ligands For the Design of Lanthanide and Actinide Hydroamination Catalysts**

Behrle, Andrew C.; Hertel, Matthew, P; Williams, Samantha, A; Fantini, Jordan, L; Schmidt, Joseph, AR

University of Toledo

**Non-hydrolytic sol-gel processing of tantalum sulfides**

Mull, Derek L.; Heinrich, Christophe P.; Lind, Cora

University of Toledo

**Use of Group 6 Carbonyl Reagents to Stabilize Main Group Cationic Species**

Beres, Joanna M.; Leigh, Alyson; Scionti, Vincenzo; Wright, Brian; Panzner, Matthew; Youngs, Wiley; Wesdimiotis, Chrys

University of Akron

**Nanoparticles Based on Prussian Blue Analogue Structure as CT-MRI Bimodal Contrast Agents**

Perera, Vindya; Huang, Songping D.; Li, Yongxiu; et al

Kent State University

**N-Benzylazole and Hydroxypyridine Substituted Polyphosphazenes to be used as Proton Exchange Membranes in Fuel Cells**

Ekanayake, Sujeewani K; Moolsin, Supat; Panzner, Matthew, J; Tessier, Claire, A; Youngs, Wiley, J.

University of Akron

**Synthesis and in vitro Efficacy Studies of Silver Carbene Complexes on Biosafety Level 3 Bacteria**

Wright, Brian D; Panzner, Matthew, J; Deeraksa, Arporn; Smith, Alyssa; Hindi, Khadijah, M; Kascatan-Nebioglu, Aysegul; Torres, Alfredo, G; Judy, Barbara, M; Hovis, Christine, E; Hilliard, Julia, K; Mallett, Rebekah, J; Cope, Emily; Estes, D. Mark; Cannon, Carolyn, L; Leid, Jeff, G; Youngs, Wiley J.

University of Akron

**Synthesis and In Vitro Testing of Lipophilic and Electronically-Tuned Silver Carbene Complexes.**

Wagers, Patrick, O.; Wright, Brian, D.; Panzner, Matthew J.; Youngs, Wiley J.

University of Akron

**Synthesis of ultrastable, highly Luminescent, biocompatible CdTe/CdS Core/Shell Nanocrystals**

Yan, Yueran; Van Patten, Paul G.

Ohio University

**Structurally characterized 1,1,3,3-tetraalkylguanidine solvated lanthanide and zinc pre-catalysts**

Durr, Christopher, B; Janini, Thomas E; Rakosi, Robert; Bertke, Jeffrey A; Bunge, Scott D; Ng, Julia J.; Rossi, Jennifer D.

Kent State University

**Group 11 Guanidinate Clusters: A Synthetic and Structural Investigation**

Ocana, Jesus A; Bunge, Scott D

Kent State University

**Synthesis and Characterization of the Hydroxycarbahemiporphyrazines**

Costa, Roshinee; Barone, Natalie V.; Ziegler, Christopher J.

University of Akron

**The coordination chemistry of bis(2-thiazolylimino)isoindoline**

Martic, Goran; Engle, James T.; Ziegler, Christopher J.

University of Akron

**Photo-metamorphosis of Ruthenium compounds**

Jin, Yuhuan

Ohio University

**Theory and Experiment in  $\text{Re}(\text{CO})_3(\text{X})_3$  Compounds**

Engle, James T; Ziegler, Christopher J; Herrick, Richard S

University of Akron

**Synthesis and Characterization of Germanium (II) Guanidinate Precursors**

Scott, Samuel D; Bunge, Scott D

Kent State University

**The lithium and nickel chemistry of carbahemiporphyrazines**

Sripothongnak, Saovalak; Ziegler, J. Christopher

University of Akron

**Development of an Optoelectronic Device Based on Ruthenium Sulfoxide Complexes**

O'Donnell, Ryan M.; Henthorn, Justin T.; Jin, Yuhuan; Rack, Jeffrey J.

Ohio University

**Synthesis of  $\text{TiN}_x\text{O}_y\text{F}_z$  ( $x+y+z \leq 2$ ) compounds using metal complex precursors**

Aimable, Ngendahimang; Zeller, Matthias; Wagner, Timothy R.

Youngstown State University

**Synthesis, Characterization, and Photophysical Properties of Low-Coordinate Phosphorus Compounds**

Washington, Marlena, P; Gudimetla, Vittal, B; Laughlin, Feng, L; Partyka, David, V; Gray, Thomas, G; Protasiewicz, John, D

Case Western Reserve University

**A Photoactive Platinum Sulfoxide**

Chisholm, Krystyna M.; Rack, Jeffrey, J.

Ohio University

**Encapsulation of Ag(I) N-heterocyclic carbene complexes with poly(lactic-co-glycolic acid) (PLGA) and polyethylene glycol (PEG) using nanoprecipitation methods and studying the antimicrobial effects**

Besse, David, M; Robishaw, Nikki K.; Panzner, Matthew J.; Kime, Michael; Leid, Jeff; Estes, D. Mark; Tessier, Claire A.; Cannon, Carolyn; Youngs, Wiley J.

University of Akron

**Trianionic Ligands for Constrained Geometry Catalysts**

Rondo, Ryan, T.; Mason, Mark, R.

University of Toledo

**Modeling the Active Site of Nickel Superoxide Dismutase**

Ma, Huaibo; Petersen, Jeffrey L.; Jensen, Michael P.

Ohio University

**Oxidative Addition Chemistry of Ni(0) Supported by a Tris(pyrazolyl)methane Ligand**

Liang, Shengwen; Chattopadhyay, Swarup; Petersen, Jeffrey L.; Young, Victor G., Jr.; Jensen, Michael P.

Ohio University

**Comparative Phenolate and Arylthiolate Coordination Chemistry at Pseudotetrahedral Ni(II) Complexes**

Deb, Tapash; Chattopadhyay, Swarup; Young, Victor G., Jr.; Jensen, Michael P.

Ohio University

**Kinetic and Product Studies on the Reaction of Cob(I)alamin with Nitrite**

Plymale, Noah T.; Hassanin, Hanaa; Brasch, Nicola E.

Kent State University

**The CyberLabNet System for Automation of Local Instrumentation Facilities and Remote Instrumentation Networks**

Hunter, Allen, D; Zeller, Matthias; Perera, Graciela; Parker, Eric; Reinhardt, Andrew

Youngstown State University

**Access to Polymeric Materials Based on the Metal-Ligand Self Assembly Process**

Wojtecki, Rudy, J.; Rowan, Stuart, J.

Case Western Reserve University

**The effect of cation-exchanging  $\text{K}^+$  to  $\text{Na}^+$  and  $\text{H}^+$  in Zeolites L on the Rate of Cure and Thermoxidative Stability of GRC-A/Zelite**

T. Renee Brown; Eric A. Mintz\*; Donald Hylton; Conrad Ingram; Candace James; Kathy Chuang

Clark Atlanta University, Atlanta GA and NASA Glenn, Cleveland OH

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