

Ohio Inorganic Weekend 2009

Poster Presentations

Friday, 13 November, 2009

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

KM[Fe(CN)₆]3H₂O(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) Triazolite 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

Ekanyake, 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, Arpaporn; 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 Hydroxycarbahemiporphyrzines

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

University of Akron

The coordination chemistry of bis(2-thiazolyimino)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 Re(CO)₃(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 carbahemiporphyrzines

Sripathongnak, 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 $TiN_xO_yF_z$ ($x+y+z \leq 2$) 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, Shenqwen; 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 K^+ to Na^+ and H^+ in Zeolites L on the Rate of Cure and Thermoxidative Stability of GRC-A/Zeolite

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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