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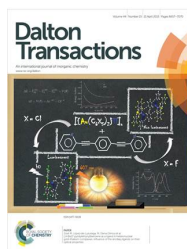
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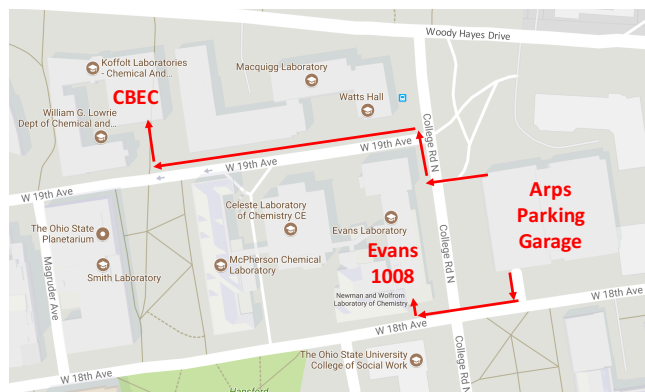
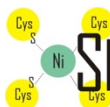
Columbus Section



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#OIW2017OSU



OhioInorganicWeekend



THE OHIO STATE UNIVERSITY

2017 Ohio Inorganic Weekend

November 3-4, 2017

Organizers:
Hannah S. Shafaat (OSU)
The Shafaat Group

CBEC Lobby
151 Woodruff Ave.
Columbus OH 43210

Evans 1008
100 W. 18th Ave.
Columbus OH 43210

Friday (Nov. 3) *CBEC Lobby*
Poster Session 6:00 – 8:00 pm
Saturday (Nov. 4) *1008 Evans*
Oral Presentations 8:30 am – 3:30 pm

Saturday November 4th
8:00-8:25 AM **Breakfast**

8:25-8:30 AM **Welcome and Opening Remarks**

First Session Session Chair: Shiyu Zhang

8:30 – 8:45 AM **Neng Xiao** (Ohio State)

Reversible Dendrite-Free Potassium Plating and Stripping Electrochemistry for Potassium Secondary Batteries

8:45 – 9:00 AM **Ryan Hollingsworth** (Wayne State)

Synthesis of open-chain and macrocyclic xanthene-bridged homobimetallic nickel and cobalt complexes for cooperative catalysis

9:00 – 9:15 AM **Kai Wang** (Case Western)

Development of π – Conjugated Organophosphorus Material

9:15 – 9:30 AM **Andrew Hunt** (Michigan)

Synthesis and Spectroscopic Characterization of Ferric Heme-Thiolate Complexes as Models for Cytochrome P450_{nor}

9:30 – 9:45 AM **Danushka Ekanayake** (Wayne State)

A novel copper complex with a polypyridine ligand framework towards electrocatalytic water reduction with a pH-dependent molecular mechanisms

9:45 – 10:00 AM **YingShuo Liu** (Michigan)

The Role of Proton Delivery in CoPc-P4VP using Proton Inventory Studies

10:00 – 10:15 AM **Coffee Break**

Second Session Session Chair: Jessica White

10:15-10:30 AM **Effie Miller** (Ohio State)

Reaction Intermediates in the Novel Mn/Fe Ligand Binding Oxidases

10:30-10:45 AM **John Kiernicki** (Michigan)

Hydrazine Capture and N-N Bond Cleavage by an Iron Complex with Flexible Appended Lewis Acidic Boranes

10:45-11:00 AM **Ritu Chaturvedi** (IUPUI)

To understand the electron transfer potential of the ketone groups in cyclobutane pyrimidine dimers

11:00-11:15 AM **Ram Hona** (Louisville)

Study of crystal structure, magnetic and electrical properties of CaSrFe₂O_{6- δ}

11:15-11:30 AM **Xing Yee Gan** (Pittsburgh)

Correlating Carrier Densities with Composition and Surface Ligands in Plasmonic Copper Selenide Nanoparticles

11:30-11:45 AM **Hermanthi Manamperi** (Ohio State)

Influences of bridging and chelating ligands on electrocatalytic reduction of carbon dioxide to formic acid using dirhodium(II,II) catalysts

11:45-12:00 PM **Scott Pattenaude** (Purdue)

Homoleptic Redox-Active Ligand Complexes: A Useful Platform to Reveal New Periodic Trends

12:00 – 1:30 PM **Lunch Break**

Third Session Session Chair: Christopher Boyd

1:30 – 1:45 PM **Alex Boehm** (Kentucky)

Development of ultraviolet and inverse photoelectron spectroscopies for probing the electronic structure of organometal halide perovskites

1:45 – 2:00 PM **Zachary Baum** (Ohio State)

Solution-Phase Routes Towards Carbides

2:00 – 2:15 PM **Veronica Livingstone** (Toledo)

One-pot in-situ preparation of polypyrrole composites with metal oxide fillers

2:15 – 2:30 PM **Selvakumar Jayaraman** (Wright State)

Iron-bis(dithiolene) Complexes as Reversible Platforms for Release and Recovery of N-Heterocyclic Carbenes

2:30 – 2:45 PM **Coffee Break**

Fourth Session Session Chair: Doug Genna

2:45-3:00 PM **Caitlin Anderson** (Ohio University)

Intramolecular Amination as a Competitive Kinetic Probe of Nitrene Transfer Catalysis

3:00-3:15 PM **Kelly Lambright** (Toledo)

SnO₂ Thin Films Used for Corrosion Protection on Inexpensive Electrode Materials

3:15-3:30 PM **Sarah Springer** (Youngstown State)

Anionic Indium-Derived Partially Halogenated Metal Organic Frameworks

Concluding Remarks and Poster Awards