1. Ahmed Aboelenen (Ohio University)	Advisor: Michael Jensen	
Transition- metal borohydride complexes as masked h	ydrides	
2. Dinesh Amarasinghe (Wayne State University)	Advisor: Federico A. Rabuffetti	
Average and Local Crystal Structure of β-Er:Yb:NaYF4	Upconverting Nanocrystals Probed	
by X-ray Total Scattering		
3. Nadia Asous (The Ohio State University)	Advisor: Shiyu Zhang	
Hydrogen Atom Transfer Reactivity of Bio-inspired Uns	symmetrical Dicopper-oxo	
Complexes		
4. Matthew Bailey (Wayne State University)	Advisor: Matthew J. Allen	
Effect of Linker Rigidity on Efficiency of Dimetallic Eu(I	)-Cryptates for T1-Weighted	
Contrast-Enhanced Magnetic Resonance Imaging		
5. Derrick Barenbrugge (University of Toledo)	Advisor: Giolando	
TBD		
6. Lina Basal (Wayne State University)	Advisor: Matthew J. Allen	
Eu(II)-containing Complexes with Applications in Redo	x Sensing	
7. Allison Batka (University of Michigan)	Advisor: Nicolai Lehnert	
Design of copper catalysts for electrochemical product	ion of NO on demand	
8. Jenna Bouquot (Kenyon College)	Advisor: Yutan Getzler	
Synthesis of γ-(2-bromo-2-methylpropionyl)-ε-caprola	ctone and polymerization using a	
pseudo-alumatrane catalyst		
9. Christopher Boyd (Cleveland State University)	Advisor: None (faculty member)	
Transition Metal Coordination Chemistry of N,N´-Azod		
	Advisor: Ryan Van Hoveln	
Synthesis of Stable Copper Fluorides and Reactivity wit		
11. Alyssa Chow (Oberlin College)	Advisor: Catherine Oertel	
Synthesis and Structural Analysis of Pyridinium Metal		
12. Wyatt Cole (Kenyon College)	Advisor: Yutan Getzler	
Synthesis of $\gamma$ -(2-bromo-2-methylpropionyl)- $\varepsilon$ -caprolactone and polymerization using a		
pseudo-alumatrane catalyst		
13. Scott Crawford (University of Pittsburgh)	Advisor: Jill Millstone	
Using Gold Nanoparticle Surface Chemistry to Control	Electronic Behavior: Towards	
Energy Transfer Applications		
14. Ankit Dara (Bowling Green State University)	Advisor: Alexis Ostrowski	
Investigating Excited State Dynamics in Supramoleculo	-	
15. Harrison Davis (Kent State University)	Advisor: Scott Bunge	
Copper, Silver, and Gold Clusters: A Synthetic and Struc	-	
16. Dulani Dhanapala (Wayne State University)	Advisor: Federico A. Rabuffetti	
Crystallochemical study of monometallic A(CF3COO)2		
a tool for the synthesis of Mg–Mn and Ca–Mn bimetal	-	
17. Nathan Diemler (University of Pittsburgh)	Advisor: Jill Millstone	
Ligand Mediated Deposition of Noble Metals at Nanop	-	
18. Desislava Dikova (University of Michigan)	Advisor: Stephen Maldonado	
Investigations into sensitizing GaP photocathodes with	n CdSe quantum dots	

19. K.Tauni Dissanayake (Wayne State University)	Advisor: Federico A. Rabuffetti
NIR-to-visible upconversion luminescence in Er:Yb:SrFX	X nanocrystals
20. Hai Dong (University of Michigan)	Advisor: Nicolai Lehnert
New Diiron complex capable of reducing NO to N2O m	nimics the reactivity of FNORs
21. Kalani Edirisinghe (Bowling Green State University)	Advisor: Alexis Ostrowski
Photo responsive polysaccharide based hydrogels with	n tunable properties by
incorporating different vanadium ions	
<b>22. Nour El Harakeh</b> (Wayne State university) <i>TBD</i>	Advisor: Claudio N. Verani
23. Ahmed Elshewy (University of Cincinnati)	Advisor: Michael Baldwin
Formation of new Bimetallic complexes containing tw	o α-hydroxy acid moieties
24. Alissa Geisse (Youngstown State University)	Advisor: Douglas Genna
The Removal of Pb lons from Water Using Thiophene- Frameworks	Containig Metal-Organic
25. Amanda Grass (Wayne State University)	Advisor: Stanislav Groysman
Synthesis, Characterization, and Reactivity of High-Va Bis(alkoxide) Ligand Environments	lent Cobalt Carbene Complexes in
26. Matthew Gray (The Ohio State University)	Advisor: Patrick Woodward
Understanding the Solid Solutions Cs2AgBiBr6-xClx [x	= 0, 1, 2, 3, 4, 5, 6]
	Advisor: Alexis Ostrowski
Characterization of Copper Metallopolymer as a Biom Oxidase	imetic Catalyst for Catechol
Oxidase	
<b>28. Cameron Griffith</b> (Indiana University Purdue University For Catalytic Reactions of Hydrogen Using [Co2H9]5-	ort Wayne) Advisor: Donald Linn
28. Cameron Griffith (Indiana University Purdue University Fe	
<b>28. Cameron Griffith</b> (Indiana University Purdue University For Catalytic Reactions of Hydrogen Using [Co2H9]5-	Advisor: C. N. Verani
<ul> <li>28. Cameron Griffith (Indiana University Purdue University For Catalytic Reactions of Hydrogen Using [Co2H9]5-</li> <li>29. Pavithra H. A. Kankanamalage (Wayne State University) Efficient electro/photocatalytic hydrogen generation for</li> </ul>	Advisor: C. N. Verani
<ul> <li>28. Cameron Griffith (Indiana University Purdue University For Catalytic Reactions of Hydrogen Using [Co2H9]5-</li> <li>29. Pavithra H. A. Kankanamalage (Wayne State University) Efficient electro/photocatalytic hydrogen generation for based polypyridine complex</li> </ul>	Advisor: C. N. Verani from water using a novel nickel- Advisor: Nathaniel Szymczak
<ul> <li>28. Cameron Griffith (Indiana University Purdue University For Catalytic Reactions of Hydrogen Using [Co2H9]5-</li> <li>29. Pavithra H. A. Kankanamalage (Wayne State University) Efficient electro/photocatalytic hydrogen generation for based polypyridine complex</li> <li>30. Lillian Hale (University of Michigan)</li> </ul>	Advisor: C. N. Verani from water using a novel nickel- Advisor: Nathaniel Szymczak
<ul> <li>28. Cameron Griffith (Indiana University Purdue University For Catalytic Reactions of Hydrogen Using [Co2H9]5-</li> <li>29. Pavithra H. A. Kankanamalage (Wayne State University) Efficient electro/photocatalytic hydrogen generation for based polypyridine complex</li> <li>30. Lillian Hale (University of Michigan) Ligand Design Strategies for Ru(II)-Catalyzed Hydrogen</li> </ul>	Advisor: C. N. Verani From water using a novel nickel- Advisor: Nathaniel Szymczak n Transfer Reactions Advisor: Catherine Oertel
<ul> <li>28. Cameron Griffith (Indiana University Purdue University For Catalytic Reactions of Hydrogen Using [Co2H9]5-</li> <li>29. Pavithra H. A. Kankanamalage (Wayne State University) Efficient electro/photocatalytic hydrogen generation for based polypyridine complex</li> <li>30. Lillian Hale (University of Michigan) Ligand Design Strategies for Ru(II)-Catalyzed Hydroge</li> <li>31. Arden Hammer (Oberlin College)</li> </ul>	Advisor: C. N. Verani from water using a novel nickel- Advisor: Nathaniel Szymczak n Transfer Reactions Advisor: Catherine Oertel anic Motifs in Lead Oxide
<ul> <li>28. Cameron Griffith (Indiana University Purdue University For Catalytic Reactions of Hydrogen Using [Co2H9]5-</li> <li>29. Pavithra H. A. Kankanamalage (Wayne State University) Efficient electro/photocatalytic hydrogen generation for based polypyridine complex</li> <li>30. Lillian Hale (University of Michigan) Ligand Design Strategies for Ru(II)-Catalyzed Hydroge</li> <li>31. Arden Hammer (Oberlin College) Ligand Shape Directs the Symmetry of Extended Inorg Naphthoates</li> <li>32. Matthew Hannigan (University of Michigan)</li> </ul>	Advisor: C. N. Verani From water using a novel nickel- Advisor: Nathaniel Szymczak n Transfer Reactions Advisor: Catherine Oertel
<ul> <li>28. Cameron Griffith (Indiana University Purdue University For Catalytic Reactions of Hydrogen Using [Co2H9]5-</li> <li>29. Pavithra H. A. Kankanamalage (Wayne State University) Efficient electro/photocatalytic hydrogen generation for based polypyridine complex</li> <li>30. Lillian Hale (University of Michigan) Ligand Design Strategies for Ru(II)-Catalyzed Hydroge</li> <li>31. Arden Hammer (Oberlin College) Ligand Shape Directs the Symmetry of Extended Inorg Naphthoates</li> <li>32. Matthew Hannigan (University of Michigan) Zimmerman</li> </ul>	Advisor: C. N. Verani from water using a novel nickel- Advisor: Nathaniel Szymczak n Transfer Reactions Advisor: Catherine Oertel anic Motifs in Lead Oxide Advisor: Anne McNeil/Paul
<ul> <li>28. Cameron Griffith (Indiana University Purdue University For Catalytic Reactions of Hydrogen Using [Co2H9]5-</li> <li>29. Pavithra H. A. Kankanamalage (Wayne State University) Efficient electro/photocatalytic hydrogen generation for based polypyridine complex</li> <li>30. Lillian Hale (University of Michigan) Ligand Design Strategies for Ru(II)-Catalyzed Hydroge</li> <li>31. Arden Hammer (Oberlin College) Ligand Shape Directs the Symmetry of Extended Inorg Naphthoates</li> <li>32. Matthew Hannigan (University of Michigan) Zimmerman A Surprising Ni Oxidative Addition into a C-S bond, and</li> </ul>	Advisor: C. N. Verani from water using a novel nickel- Advisor: Nathaniel Szymczak n Transfer Reactions Advisor: Catherine Oertel anic Motifs in Lead Oxide Advisor: Anne McNeil/Paul
<ul> <li>28. Cameron Griffith (Indiana University Purdue University For Catalytic Reactions of Hydrogen Using [Co2H9]5-</li> <li>29. Pavithra H. A. Kankanamalage (Wayne State University) Efficient electro/photocatalytic hydrogen generation for based polypyridine complex</li> <li>30. Lillian Hale (University of Michigan) Ligand Design Strategies for Ru(II)-Catalyzed Hydroge</li> <li>31. Arden Hammer (Oberlin College) Ligand Shape Directs the Symmetry of Extended Inorg Naphthoates</li> <li>32. Matthew Hannigan (University of Michigan) Zimmerman A Surprising Ni Oxidative Addition into a C-S bond, and Transfer Polymerization with Complex Monomers</li> </ul>	Advisor: C. N. Verani from water using a novel nickel- Advisor: Nathaniel Szymczak n Transfer Reactions Advisor: Catherine Oertel anic Motifs in Lead Oxide Advisor: Anne McNeil/Paul d its Implications for Catalyst
<ul> <li>28. Cameron Griffith (Indiana University Purdue University For Catalytic Reactions of Hydrogen Using [Co2H9]5-</li> <li>29. Pavithra H. A. Kankanamalage (Wayne State University) Efficient electro/photocatalytic hydrogen generation for based polypyridine complex</li> <li>30. Lillian Hale (University of Michigan) Ligand Design Strategies for Ru(II)-Catalyzed Hydroger</li> <li>31. Arden Hammer (Oberlin College) Ligand Shape Directs the Symmetry of Extended Inorg Naphthoates</li> <li>32. Matthew Hannigan (University of Michigan) Zimmerman A Surprising Ni Oxidative Addition into a C-S bond, and Transfer Polymerization with Complex Monomers</li> <li>33. Stephan Harruff (Indiana State University)</li> </ul>	Advisor: C. N. Verani from water using a novel nickel- Advisor: Nathaniel Szymczak n Transfer Reactions Advisor: Catherine Oertel anic Motifs in Lead Oxide Advisor: Anne McNeil/Paul d its Implications for Catalyst Advisor: Ryan Van Hoveln
<ul> <li>28. Cameron Griffith (Indiana University Purdue University For Catalytic Reactions of Hydrogen Using [Co2H9]5-</li> <li>29. Pavithra H. A. Kankanamalage (Wayne State University) Efficient electro/photocatalytic hydrogen generation for based polypyridine complex</li> <li>30. Lillian Hale (University of Michigan) Ligand Design Strategies for Ru(II)-Catalyzed Hydroge</li> <li>31. Arden Hammer (Oberlin College) Ligand Shape Directs the Symmetry of Extended Inorg Naphthoates</li> <li>32. Matthew Hannigan (University of Michigan) Zimmerman A Surprising Ni Oxidative Addition into a C-S bond, and Transfer Polymerization with Complex Monomers</li> <li>33. Stephan Harruff (Indiana State University) Progress towards Copper Catalyzed Hydrosilylation of States</li> </ul>	Advisor: C. N. Verani from water using a novel nickel- Advisor: Nathaniel Szymczak n Transfer Reactions Advisor: Catherine Oertel anic Motifs in Lead Oxide Advisor: Anne McNeil/Paul d its Implications for Catalyst Advisor: Ryan Van Hoveln Styrenes
<ul> <li>28. Cameron Griffith (Indiana University Purdue University For Catalytic Reactions of Hydrogen Using [Co2H9]5-</li> <li>29. Pavithra H. A. Kankanamalage (Wayne State University) Efficient electro/photocatalytic hydrogen generation for based polypyridine complex</li> <li>30. Lillian Hale (University of Michigan) Ligand Design Strategies for Ru(II)-Catalyzed Hydroge</li> <li>31. Arden Hammer (Oberlin College) Ligand Shape Directs the Symmetry of Extended Inorg Naphthoates</li> <li>32. Matthew Hannigan (University of Michigan) Zimmerman A Surprising Ni Oxidative Addition into a C-S bond, and Transfer Polymerization with Complex Monomers</li> <li>33. Stephan Harruff (Indiana State University) Progress towards Copper Catalyzed Hydrosilylation of Synthesis and Characterization of Br</li> </ul>	Advisor: C. N. Verani from water using a novel nickel- Advisor: Nathaniel Szymczak n Transfer Reactions Advisor: Catherine Oertel anic Motifs in Lead Oxide Advisor: Anne McNeil/Paul d its Implications for Catalyst Advisor: Ryan Van Hoveln
<ul> <li>28. Cameron Griffith (Indiana University Purdue University For Catalytic Reactions of Hydrogen Using [Co2H9]5-</li> <li>29. Pavithra H. A. Kankanamalage (Wayne State University) Efficient electro/photocatalytic hydrogen generation for based polypyridine complex</li> <li>30. Lillian Hale (University of Michigan) Ligand Design Strategies for Ru(II)-Catalyzed Hydroge</li> <li>31. Arden Hammer (Oberlin College) Ligand Shape Directs the Symmetry of Extended Inorg Naphthoates</li> <li>32. Matthew Hannigan (University of Michigan) Zimmerman A Surprising Ni Oxidative Addition into a C-S bond, and Transfer Polymerization with Complex Monomers</li> <li>33. Stephan Harruff (Indiana State University) Progress towards Copper Catalyzed Hydrosilylation of</li> <li>34. Nicholas Harvey (The Ohio State University) Synthesis and Characterization of Br Double Perovskite Precursors: Cs2AgBr3 and CsAgBr2</li> </ul>	Advisor: C. N. Verani from water using a novel nickel- Advisor: Nathaniel Szymczak n Transfer Reactions Advisor: Catherine Oertel anic Motifs in Lead Oxide Advisor: Anne McNeil/Paul d its Implications for Catalyst Advisor: Ryan Van Hoveln Styrenes Advisor: Patrick Woodward
<ul> <li>28. Cameron Griffith (Indiana University Purdue University For Catalytic Reactions of Hydrogen Using [Co2H9]5-</li> <li>29. Pavithra H. A. Kankanamalage (Wayne State University) Efficient electro/photocatalytic hydrogen generation for based polypyridine complex</li> <li>30. Lillian Hale (University of Michigan) Ligand Design Strategies for Ru(II)-Catalyzed Hydroge</li> <li>31. Arden Hammer (Oberlin College) Ligand Shape Directs the Symmetry of Extended Inorg Naphthoates</li> <li>32. Matthew Hannigan (University of Michigan) Zimmerman A Surprising Ni Oxidative Addition into a C-S bond, and Transfer Polymerization with Complex Monomers</li> <li>33. Stephan Harruff (Indiana State University) Progress towards Copper Catalyzed Hydrosilylation of Synthesis and Characterization of Br</li> </ul>	Advisor: C. N. Verani from water using a novel nickel- Advisor: Nathaniel Szymczak n Transfer Reactions Advisor: Catherine Oertel anic Motifs in Lead Oxide Advisor: Anne McNeil/Paul d its Implications for Catalyst Advisor: Ryan Van Hoveln Styrenes Advisor: Patrick Woodward Advisor: Alexis Ostrowski

36. Jeffrey Henke (Kent State University)	Advisor: Scott Bunge
Synthesis of Quadruply-Bonded di-Tungsten Complexes	s for Use as n-Dopants
37. Indika Hewavitharana (Wayne State University)	Advisor: Stephanie L. Brock
When Ligand Exchange Leads to Ion Exchange: Nanoc	rystal Facets Dictate the Outcome
38. Thilini Hollingsworth (Wayne State University)	Advisor: Stanislav Groysman
Bioinspired Heterobimetallics for Carbon Monoxide Ox	idation
39. Jessica Hovey (Wayne State University)	Advisor: Matthew J. Allen
Luminescence differences between two divalent europi	-
······///	Advisor: L. Robert Baker
Achieving Surface Sensitivity in XUV Spectroscopy: Prol	ping Electron Dynamics of
Hematite Using XUV Transient Reflectivity	
• • • • • • • • • • • • • • • • • • • •	Advisor: David L. Tierney
Spectroscopic studies of five-coordinate cobalt (II) mod hydroxamic acids	el complexes: Fluorine substituted
42. Morteza Jandaghi (University of Toledo)	Advisor: Mark R. Mason
Zinc complexes of a bulky dipyrromethene ligand and a	pplication to the ring-opening
polymerization of $\varepsilon$ -caprolactone.	
43. Samuel Jeffrey (University of Toledo)	Advisor: Dean M. Giolando
Electrodeposited Nickel Phosphides to Promote Hydrog	en Evolution Reaction:
Optimization of Electrodeposition Parameters	
	Advisor: Matthew J. Allen
Photoredox catalysis using a lanthanide-containing cry	-
	Advisor: Jill Millstone
Impacts of Broth Chemistry on Silver Ion Release, Surfa	
Chemistry Composition, and Bacterial Cytotoxicity of Si Nanoparticles	lver
46. Mohit Kapoor (The University of Toledo)	Advisor: Michael Young
Carbon Dioxide Mediated C-H Activation: A Traceless L	Directing Group Strategy for the
Arylation of Aliphatic Amines	
( )	Advisor: Alexis Ostrowski
Photo responsive polysaccharide based hydrogel beads nutrients	for slow release of plant
48. Jerod Kieser (Case Western Reserve University)	Advisor: John D. Protasiewicz
Synthesis of zirconophosphaalkene through insertion o	f sodium phosphaethynolate,
Na[OCP]	
	Advisor: Ryan Van Hoveln
Ligated copper silyl complexes and their reactivity tow	
	Advisor: Cora Lind-Kovacs
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	Advisor: Stainslav Groysman
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complexes	
<b>52. Chamika Lenora</b> (Wayne State University) <i>Kinetic Inertness of Eu(II)-Containing Complexes</i>	Advisor: Matthew J. Allen

53. Amanda Leone (University of Michigan)	Advisor: Anne McNeil
Mechanistic Insight into Thiophene Catalyst-Transfer I	Polymerization mediated by Ni
Diimine Precatalysts	
54. Yingze Li (University of Cincinnati)	Advisor: Hairong Guan
Development of New Cobalt Pincer Complexes for Cate	alytic Applications
55. Lauren Loftus (The Ohio State University)	Advisor: Claudia Turro
Unusual Role of Excited State Mixing in the Enhancem	ent of Photoinduced Ligand
Exchange in Ru(II) Complexes	
56. Beatriz Lopez Bermudez (University of Michigan)	Advisor: Vincent Pecoraro
Development of Luminescent PAMAM Dendrimers for	
Core	
57. Jacob Lutter (University of Michigan)	Advisor: Vincent Pecoraro
Incorporation of iodine onto metallacrown species wh	ich exhibit lanthanide-based
luminescence	
58. Molly MacInnes (University of Michigan) Advisor: Nicolai	Lehnert/Stephen Maldonado
Heterogeneous photoelectrocatalytic proton reduction	with a molecular catalyst
immobilized on RGO thin films on gallium phosphide p	-
<b>59. Kotiba Malek</b> (Wright State University)	Advisor: Kuppuswamy Arumugam
Silver N-Heterocyclic Carbene Complexes: A New Hope	
60. Bethany McCarty (Indiana State University)	Advisor: Ryan Van Hoveln
Ligated copper silyl complexes and their reactivity tow	-
61. Eric McClure (The Ohio State University)	Advisor: Patrick Woodward
Synthesis and Properties of Halide Double Perovskites	
62. Bradley McCullough (Ohio University)	Advisor: Travis White
Visible light-induced water reduction using heterolept	c Cu(I) photosensitizers and Rh(III)
catalysts	
63. David Merz (University of Wollongong)	Advisor: Patrick Woodward
Luminescent phosphor emission in Sr2Al3O6F:Eu2+	Manipulating emission via cation
substitution	
64. Meredith Miles (Wright State University)	Advisor: Kuppuswamy Arumugam
Development of N-Heterocyclic Carbene-Gold(I) Comp	lexes for Therapeutic Applications
65. Rick Morasse (The Ohio State University)	Advisor: Joshua Goldberger
Low temperature, solution-phase route towards carbi	des
66. Danielle Mullis (University of Michigan)	Advisor: Nathaniel Szymczak
Synthesis of NNN-Os(II) Pincer Complexes and Investig	ation of Catalytic Activity
67. Hashini Munasinghe (Wayne State University)	Advisor: Federico A. Rabuffetti
Bimetallic Trifluoroacetates as Single-Source Precurso	rs for Alkali–Manganese
Fluoroperovskites	
68. Brad Musselman (University of Michigan)	Advisor: Nicolai Lehnert
Group Transfer Catalysis with Iridium Corroles	
69. Nadeesha Nambukara Wellala (University of Cincinnati)	Advisor: Hairong Guan
Nickel N(CH2CH2PiPr2)2-Dialkylamides: Synthesis and	-
	-
70. Bertrand Neyhouse (Ohio University)	Advisor: Travis White

Re(I) Phenanthroline Catalysts for the Electrochemical	Re(I) Phenanthroline Catalysts for the Electrochemical Reduction of CO2		
71. Lisa Nguyen (The Ohio State University)	Advisor: Terry Gustafson		
Ultrafast Time-Resolved Infrared Spectroscopy for Direct Analysis of Charge Carrier			
Dynamics of Hybrid Perovskites			
72. Weixuan Nie (University of Michigan)	Advisor: Charles McCrory		
Electrocatalytic CO2 reduction by a cobalt bis(pyridyln	nonoimine) complex: effect of acid		
concentration on catalyst activity and stability			
73. Tim O'Connor (The Ohio State University)	Advisor: Hannah Shafaat		
Electron Transfer in Nickel-Substituted Azurin: A Mode	el System		
74. Sameera Perera (Wayne State University)	Advisor: Federico A. Rabuffetti		
Group VI Metalates as Hosts for Thermosensitive Phos	phors		
75. Sophia Perlini (University of Toledo)	Advisor: Cora Lind-Kovacs		
Low temperature synthesis of tungsten oxide for futur	e use in composites		
76. Rachael Pickens (Ohio University)	Advisor: Jessica White		
Using Visible Light to Release CO and a Singlet Oxyger	Photosensitizer from Ru(II)-Mn(I)		
Bimetallic Complexes			
77. Mikaylah Poli (Wayne State University)	Advisor: Stephanie L. Brock		
FexNi2-xP Nanoparticle Assemblies for Potential Magr	netic Refrigeration		
78. Allison Rabon (University of Toledo )	Advisor: Michael Young		
Developing metal organic frameworks for catalysis ap			
	Advisor: Nicholas Brunelli		
Controlling Nanoparticle Size Using Jet-mixing Synthes			
00 Anton Do-gonio and (Daviling Croop Chota I Iniversity)			
80. Anton Razgoniaev (Bowling Green State University)			
Restricted Photoinduced Conformational Change in th			
Restricted Photoinduced Conformational Change in th Mechanical Properties	e Cu(I) Complex for Sensing		
Restricted Photoinduced Conformational Change in th Mechanical Properties <b>81. Grayson Ritch</b> (University of Michigan)	e Cu(I) Complex for Sensing Advisor: Szymczak		
Restricted Photoinduced Conformational Change in th Mechanical Properties <b>81. Grayson Ritch</b> (University of Michigan) Reactivity of Metal Complexes with pendent Phosphin	e Cu(I) Complex for Sensing Advisor: Szymczak es		
Restricted Photoinduced Conformational Change in th Mechanical Properties 81. Grayson Ritch (University of Michigan) Reactivity of Metal Complexes with pendent Phosphin 82. Thomas Rohrabaugh (The Ohio State University )	e Cu(I) Complex for Sensing Advisor: Szymczak es Advisor: Claudia Turro		
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Restricted Photoinduced Conformational Change in th Mechanical Properties 81. Grayson Ritch (University of Michigan) Reactivity of Metal Complexes with pendent Phosphin 82. Thomas Rohrabaugh (The Ohio State University ) Photoactivation of Two Fluorescent Dyes via Rutheniu 83. Dominic Ross (The Ohio State University)	e Cu(I) Complex for Sensing Advisor: Szymczak es Advisor: Claudia Turro m(II) Polypyridyl Ligand Exchange Advisor: Joshua Goldberger		
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Restricted Photoinduced Conformational Change in th Mechanical Properties 81. Grayson Ritch (University of Michigan) Reactivity of Metal Complexes with pendent Phosphin 82. Thomas Rohrabaugh (The Ohio State University) Photoactivation of Two Fluorescent Dyes via Rutheniu 83. Dominic Ross (The Ohio State University) Electrocatalytic Properties of Hydrogen Absorbing Zint 84. Sandeep Kumar Sahoo (Bowling Green State University)	e Cu(I) Complex for Sensing Advisor: Szymczak es Advisor: Claudia Turro m(II) Polypyridyl Ligand Exchange Advisor: Joshua Goldberger tl Phases Advisor: Alexis Ostrowski		
Restricted Photoinduced Conformational Change in the Mechanical Properties 81. Grayson Ritch (University of Michigan) Reactivity of Metal Complexes with pendent Phosphin 82. Thomas Rohrabaugh (The Ohio State University) Photoactivation of Two Fluorescent Dyes via Rutheniu 83. Dominic Ross (The Ohio State University) Electrocatalytic Properties of Hydrogen Absorbing Zint 84. Sandeep Kumar Sahoo (Bowling Green State University) Metallosupramolecular based Heterogeneous Catalysis	e Cu(I) Complex for Sensing Advisor: Szymczak es Advisor: Claudia Turro m(II) Polypyridyl Ligand Exchange Advisor: Joshua Goldberger tl Phases Advisor: Alexis Ostrowski ts for Improved Recyclability		
Restricted Photoinduced Conformational Change in th Mechanical Properties 81. Grayson Ritch (University of Michigan) Reactivity of Metal Complexes with pendent Phosphin 82. Thomas Rohrabaugh (The Ohio State University ) Photoactivation of Two Fluorescent Dyes via Rutheniu 83. Dominic Ross (The Ohio State University) Electrocatalytic Properties of Hydrogen Absorbing Zint 84. Sandeep Kumar Sahoo (Bowling Green State University) Metallosupramolecular based Heterogeneous Catalyst 85. Fatemeh Saleh (University of Toledo)	e Cu(I) Complex for Sensing Advisor: Szymczak es Advisor: Claudia Turro m(II) Polypyridyl Ligand Exchange Advisor: Joshua Goldberger El Phases Advisor: Alexis Ostrowski ts for Improved Recyclability Advisor: Mark Mason		
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