



ACS Spring 2023

Sunday, March 26, 2023 - Thursday, March 30, 2023

Sunday, March 26, 2023

08:00AM - 11:55AM	- Solid-State Inorganic Chemistry: Materials and Design Room: Room 206	Rebecca Banner Victoria Kyveryga Viktor V Poltavets , Ph.D. Assistant Professor Santhoshkumar Sundaramoorthy
08:00AM - 08:20AM	3819501 - Control over thermal conductivity via host sublattice disorder in single crystals of Sr-Ba-Cu-P clathrates Room: Room 206	ARKA SARKAR Philip Yox Gayatri Viswanathan Kirill Kovnir
08:00AM - 11:50AM	- Remembering the Legacy of Synthetic Aza Macrocycles: Room: Room 212	Kristin Bowman-James Professor Kenneth Goldsby Thomas Meade Rebecca Roesner Kenneth Takeuchi
08:00AM - 08:10AM	- Introductory Remarks Room: Room 212	
08:00AM - 10:20AM	- Nanoscience: Molecular Frameworks and Cages: Room: Room 238	Eric Bloch Christopher Breshike Rebecca Siegelman Chenyue Sun
08:00AM - 08:20AM	3824896 - Effect of linker structure and functionalization on secondary gas formation in metal-organic frameworks Room: Room 238	Matthew Christian Tina Nenoff Jessica Rimsza Senior Member of Technical Staff
08:00AM - 11:35AM	- 2023 ACS Award in Inorganic Chemistry: Symposium in Honor of Jerry L. Atwood: Room: Sagamore Ballroom 3	David Atwood Gregory Robinson
08:00AM - 08:10AM	- Introductory Remarks Room: Sagamore Ballroom 3	

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08:00AM - 12:00PM	- 2023 ACS Award in Organometallic Chemistry: Symposium in Honor of Shannon S. Stahl: Room: Room 237	Jessica Hoover Dian Wang
08:00AM - 08:25AM	3819410 - From azides to nitrides; From ammonia to nitrogen: Making and breaking N–N bonds with metal-metal bonded compounds Room: Room 237	John Berry
08:00AM - 10:00AM	- 2023 ACS Award in the Chemistry of Materials: Symposium in Honor of Reshef Tenne: Room: Room 209	Maya Bar Sadan Sara Skrabalak Mauricio Terrones
08:00AM - 08:30AM	3820419 - Logic-in-memory based on an atomically thin semiconductor Room: Room 209	Andras Kis
08:00AM - 11:50AM	- 2023 M. Frederick Hawthorne Award in Main Group Inorganic Chemistry: Symposium in Honor of Christopher Cummins: Room: Room 205	Joshua Figueroa Francois Gabbai
08:00AM - 08:10AM	- Introductory Remarks Room: Room 205	
08:00AM - 11:40AM	- 2023 F. Albert Cotton Award in Synthetic Inorganic Chemistry: Symposium in Honor of May Nyman: Room: Room 208	Ana Arteaga Carles Bo Clément Falaise
08:00AM - 08:05AM	- Introductory Remarks Room: Room 208	
08:00AM - 12:00PM	- 2023 ACS Award for Distinguished Service in the Advancement of Inorganic Chemistry: Symposium in Honor of Alison Butler: Room: Room 236	R Britt Ana de Bettencourt-Dias Nora Radu
08:00AM - 08:05AM	- Introductory Remarks Room: Room 236	
08:05AM - 08:25AM	3830922 - Materials revolution for a sustainable world Room: Room 208	Mark Hampden-Smith
08:05AM - 08:30AM	3823076 - Materials for displays applications Room: Room 236	Nora Radu Rebecca Siegelman Christina Older Adam Fennimore Wayne Atkinson Chai Ngai Jonathan Maeyer Greg Hostetler
08:10AM - 08:30AM	3814293 - Mechanistic studies on cisplatin Room: Room 212	James Dabrowiak

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08:10AM - 08:35AM	3808317 - What I learned in school with Jerry Atwood: Giving meaning to inorganic chemistry, liquid clathrates, crystallography, ionic liquids, and life in general Room: Sagamore Ballroom 3	Robin Rogers
08:10AM - 08:30AM	3821835 - Carbon-heteroatom bond forming reactions with organophosphorus reagents and catalysts Room: Room 205	Alexander Radosevich
08:20AM - 08:40AM	3807260 - Axis-dependent conduction polarity in crystals of air-stable semiconductor, PdSe ₂ Room: Room 206	Ryan Nelson Ziling Deng Andy Ochs Karl Koster Cullen Irvine Joseph Heremans Wolfgang Windl Joshua Goldberger
08:20AM - 08:40AM	3810376 - Synthesis of 3D crystalline porous organic polymer from solid-state topochemical polymerization Room: Room 238	Chenyue Sun Julius Oppenheim Grigori Skorupskii Luming Yang Mircea Dinca
08:25AM - 08:50AM	3825176 - Heterogeneous M-N-C catalysts for disproportionation of aminoxyl and aerobic oxidation of hydroxylammonium Room: Room 237	James Gerken Alexios Stamoulis Shannon Stahl
08:25AM - 08:45AM	3825856 - Plutonium(IV) oxide nanoclusters: Structure and properties Room: Room 208	Amy Hixon
08:30AM - 09:00AM	3820565 - Influences by Daryle in an industrial setting: Tales from the DuPont company Room: Room 212	Norman Herron
08:30AM - 09:00AM	3833445 - Intelligent sensing enabled by tunable moiré quantum geometry Room: Room 209	Fengnian Xia
08:30AM - 08:50AM	3817107 - Undressing carbon Room: Room 205	Guy Bertrand
08:30AM - 08:55AM	3803288 - Upconversion and down-conversion in molecular Ln(III) ion systems Room: Room 236	Ana de Bettencourt-Dias
08:35AM - 09:00AM	3809280 - "Chemistree" of porous solids Room: Sagamore Ballroom 3	Michael Zaworotko
08:40AM - 09:00AM	3814912 - Withdrawn Room: Room 206	

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08:40AM - 09:00AM	3815621 - Catenane covalent organic frameworks constructed from polyhedra Room: Room 238	Tianqiong Ma Yi Zhou Christian Diercks Osamu Terasaki Omar Yaghi
08:45AM - 09:05AM	3807115 - 10 Years interplay between experiment and theory in molecular metal oxides chemistry Room: Room 208	Carles Bo
08:50AM - 09:15AM	3822655 - Electrocatalysis with transition metal hydrides Room: Room 237	Robert Waymouth
08:50AM - 09:10AM	3817543 - Polypnictogen transfer reagents Room: Room 205	Manfred Scheer
08:55AM - 09:20AM	3823259 - Carbon monoxide (CO) delivery using flavonols and metal flavonolato complexes Room: Room 236	Lisa Berreau
09:00AM - 09:20AM	3826785 - What, the F is going in here: Metal flux growth of intermetallics with fluoride interstitials Room: Room 206	James Larson Susan Lattner
09:00AM - 09:30AM	3826344 - Coordination chemistry and molecular imaging: A marriage made in vivo Room: Room 212	Thomas Meade
09:00AM - 09:20AM	3824547 - Design and synthesis of novel porous salts Room: Room 238	Eric Bloch
09:00AM - 09:25AM	3808649 - Small molecule activation with uranium(III) complexes Room: Sagamore Ballroom 3	Justin Walensky Robert Ward
09:00AM - 09:30AM	3812596 - Local and global magnetism in semiconductor nanostructures Room: Room 209	Efrat Lifshitz
09:05AM - 09:25AM	3810075 - Exploring the formation of uranyl peroxide clusters and expanding the frontiers of transuranic-oxo cluster chemistry Room: Room 208	Ana Arteaga May Nyman
09:10AM - 09:30AM	3819487 - Super-reducing and super-oxidizing photoreagents Room: Room 205	Professor Daniel G Nocera Patterson Rockwood Professor of Energy
09:15AM - 09:40AM	3825681 - Reactions of organotransition metal complexes with gases at high pressure as studied by NMR Room: Room 237	Clark Landis
09:20AM - 09:40AM	3819063 - Lithium selenometallates of triel elements, Li_5MSe_4 (M = Al and Ga), aliovalent doping and their ionic conductivity Room: Room 206	Santhoshkumar Sundaramoorthy Nikolay Gerasimchuk Aleksandr Chernatynskiy Amitava Choudhury

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09:20AM - 09:40AM	3825073 - Selective CO ₂ adsorption in amine-functionalized coordination cages Room: Room 238	Merissa Morey Eric Bloch
09:20AM - 09:45AM	3827100 - Creation of a long-lived Fe(II) MLCT state for solar driven reactions Room: Room 236	Jeffrey Rack Rajani Thapa Magar Matthew Fortunato Gregory Curtin Elena Jakubikova Professor Claudia Turro
09:25AM - 09:50AM	3818108 - 1D and 3D hierarchical coordination networks based on praseodymium-seamed metal-organic nanocapsules Room: Sagamore Ballroom 3	Kanishka Sikligar Steven Kelley Li Shao Professor Gary Baker Jerry Atwood
09:25AM - 09:45AM	3826608 - Strategies for figuring out how f-block anions may assemble into crystalline solids Room: Room 208	Christopher Cahill
09:30AM - 09:50AM	- Intermission Room: Room 212	
09:30AM - 10:00AM	3816279 - Mixed-dimensional heterostructures for electronic and energy technologies Room: Room 209	Mark Hersam
09:30AM - 09:50AM	3823247 - Rational routes to transition metal silicide complexes Room: Room 205	T. Don Tilley Rex Handford
09:40AM - 10:00AM	3826203 - Metal flux growth of Ca _{1-x} A _x MgSi (A = Eu or Yb) compounds Room: Room 206	Zachary Barton Jo Haddock Susan Lattuner
09:40AM - 10:00AM	3825607 - Molecular confinement of metal hydrides inside the pores of bipyridine-functionalized metal-organic frameworks Room: Room 238	Mohana Shivanna Walter Ramirez Joshua Sugar Maxwell Marple Christine Yu Peter Sharma Mark Allendorf Vitalie Stavila
09:45AM - 09:55AM	- Intermission Room: Room 208	
09:45AM - 10:10AM	3816705 - Carbon-copies vs photo-copies: Shining light on luminescent low-coordinate organophosphorus compounds Room: Room 236	John Protasiewicz
09:50AM - 10:20AM	3820936 - Industrial selective oxidation of thiols in fuels with highly selective cobalt phthalocyanine catalysts Room: Room 212	Jeffery Bricker

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09:50AM - 10:10AM	- Intermission Room: Sagamore Ballroom 3	
09:50AM - 10:10AM	- Intermission Room: Room 205	
09:55AM - 10:20AM	3817866 - Mechanistic studies of aryl halide amination catalyzed by first-row metal complexes Room: Room 237	John Hartwig
09:55AM - 10:15AM	3813829 - Small angle x-ray scattering for giant polyoxometalate research Room: Room 208	Clément Falaise Emmanuel Cadot Mohamed Haouas
10:00AM - 10:15AM	- Intermission Room: Room 206	
10:00AM - 10:20AM	3829797 - Functionalized metal organic frameworks with custom hydrogen bond forming sorbent moieties Room: Room 238	Christopher Breshike Thomas Cao Daniel Corbin Robert McGill
10:00AM - 12:00PM	- Bioinorganic Chemistry, Energy, and the Environment: General Room: Virtual Session	Dr. Mary Grace I. Galinato Associate Professor of Chemistry Dr. Stephen A. Koch Professor of Chemistry Dr. Yong Zhang Professor
10:00AM - 10:20AM	3814265 - Mechanistic origin of favorable substituent effects in excellent Cu cyclam based HNO sensors Room: Virtual Session	Yelu Shi Gianna Stella Jia-Min Chu Dr. Yong Zhang Professor
10:05AM - 10:20AM	- Intermission Room: Room 237	
10:10AM - 10:35AM	3818431 - V-shaped-Cu(II)-pentaiodide: Structure and susceptibility Room: Sagamore Ballroom 3	Dr. Zehra Edis Associate Professor Professor Samir Haj Bloukh Professor
10:10AM - 10:30AM	3825723 - Manipulation of phosphorus atoms with metal isocyanide complexes Room: Room 205	Joshua Figueroa
10:10AM - 10:20AM	- Intermission Room: Room 236	
10:15AM - 10:35AM	3819664 - Synthesis, structure, and properties of novel Ba-M-As phases (M = Ag, Ag/Ga, Ag/In) Room: Room 206	Victoria Kyveryga Philip Yox ARKA SARKAR Gayatri Viswanathan Kirill Kovnir

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10:15AM - 10:35AM	3813010 - Withdrawn Room: Room 208	
10:20AM - 10:50AM	3822914 - Hydrocracking chemistry perspectives Room: Room 212	Maureen L Bricker Bricker
10:20AM - 10:45AM	3822753 - Stalking and capturing elusive monomeric copper hydrides Room: Room 237	R Morris Bullock David Ryan Evan Patrick Timothy Carroll Jeremy Erickson Amy Speelman Ba Tran
10:20AM - 10:45AM	3818050 - Synthesis, catalytic activity, and thermolysis of heterobimetallic complexes containing main group–transition metal bonds Room: Room 236	Javier Vela
10:20AM - 10:40AM	3816305 - Exploring the optical spectroscopic properties of different metal porphyrin proteins as potential catalysts for sulfoxidation chemistry Room: Virtual Session	Dr. Mary Grace I. Galinato Associate Professor of Chemistry Meira Simolin Olivia Steinbeck
10:30AM - 10:50AM	3811761 - Fluorinated alkoxide complexes of Sn(II) and Sn(IV) characterized by ^{119}Sn Mössbauer and ^{119}Sn NMR spectroscopies Room: Room 205	Jessica Elinburg Ariel Hyre James McNeely Dr. Todd M Alam Steffen Klenner Rainer Poettgen Arnold Rheingold Prof. Linda H Doerrer Professor
10:35AM - 10:55AM	3813467 - Enhanced hydrogen uptake ability of MAX phase materials Room: Room 206	Marcell Toth Walid Almaksoud Yoji Kobayashi
10:35AM - 11:00AM	3818940 - Enhanced the degradation of PCB77 in soil by FeS activated persulfate coupling with permanganate Room: Sagamore Ballroom 3	yue bu
10:35AM - 10:55AM	3807181 - Synthesis and photophysical characterization of new materials Room: Room 208	Collin Muniz

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10:40AM - 11:00AM	3827623 - Rational design of metallodrug photosensitizers for photodynamic therapy Room: Virtual Session	Houston Cole Graduate Student Wesley McDonald Alisher Talgatov Ge Shi Gurleen Kaur Dr. Elamparuthi Ramasamy, Ph.D. Research Scientist Abbas Vali Colin Cameron Sherri McFarland Professor
10:45AM - 11:10AM	3816861 - Mechanistic studies on the Shilov system: A retrospective Room: Room 237	Jay Labinger
10:45AM - 11:10AM	3826906 - Shedding light on amyloid-beta nanostructures using photoactive metal complexes Room: Room 236	Utana Umezaki Rajeev Prabhakar Angel Marti-Arbona
10:50AM - 11:20AM	3822973 - Bioinspired dinuclear complexes: Controlling proton/electron transfer and spin states Room: Room 212	Andrew Borovik
10:50AM - 11:10AM	3825254 - Activation of element-hydrogen bonds across metal-amide bonds in first row transition metal bis(amido)bis(phosphine) complexes, (PNNP)M Room: Room 205	Christine Thomas Jeremiah E. Stevens Ph.D. Candidate Gillian Hatzis Justin Miller
10:55AM - 11:15AM	3818091 - Adventures into the local structures of the amorphous chalcogels and their applications in environmental remediation Room: Room 206	Muhammad Islam Alicia Blanton Jing Nie Dien Li Taohedul Islam Kathryn Taylor-Pashow Ruhul Amin David Baker
10:55AM - 11:15AM	3819221 - Chasing hydrogen bonding and dynamics in inorganic materials Room: Room 208	Dr. Todd M. Alam
11:00AM - 11:25AM	3819601 - Jerry L. Atwood's contributions to inorganic chemistry: A perspective Room: Sagamore Ballroom 3	Gregory Robinson
11:00AM - 11:20AM	3812716 - Antimicrobial, antioxidant and DNA cleavage activities of tetraaminobis(4-fluorobenzyl)spiro(N,N)cyclotriphosphazenes Room: Virtual Session	Aytu? Okumus Elmas Gamze Dr. Arzu Binici Betül Aydin Leyla Acik Zeynel Kilic

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11:10AM - 11:35AM	3812871 - Fundamental studies of hydride transfer related to dehydrogenation reactions Room: Room 237	Nilay Hazari
11:10AM - 11:30AM	3816078 - Constructing neutral and terminal metal-nitrogen and -phosphorus triple bonds Room: Room 205	Daniel Mindiola
11:10AM - 11:35AM	3817691 - Development of NO-releasing of C-diazeniumdiolate complexes Room: Room 236	Trevor Hayton
11:15AM - 11:35AM	3828625 - Discovering a hidden phase of MnSe Room: Room 206	Judith Clark V. Garlea Emil Bozin Michael Shatruk
11:15AM - 11:35AM	3819131 - New structural and reactivity patterns for {MW5} Lindqvist-type anions Room: Room 208	John Errington Amar Mohammed Dominic Shiels Magda Pascual-Borras
11:20AM - 11:50AM	3831553 - Design and development of a synthetic enzyme for use as a pharmaceutical agent to reduce the undesired side effects of radiation treatment in cancer therapy Room: Room 212	Dennis Riley
11:20AM - 11:40AM	3827333 - Investigation of light-triggered metallodrugs for photodynamic inactivation of bacteria Room: Virtual Session	Gurleen Kaur Houston Cole Graduate Student Wesley McDonald Ge Shi Alisher Talgatov Colin Cameron Sherri McFarland Professor
11:25AM - 11:35AM	- Concluding Remarks Room: Sagamore Ballroom 3	
11:30AM - 11:50AM	3813419 - f-block aryloxo complexes as simple, homogeneous catalysts for the ambient conversion of N ₂ to bis- or tris- silylamines Room: Room 205	Anthony Wong Matt Hernandez Francis Lam Rory Kelly Michael Trinh Guodong Rao R Britt Polly Arnold
11:35AM - 11:55AM	3817108 - Single crystal growth optimization of antiferromagnet Mn ₂ Au Room: Room 206	Rebecca Banner Mebatsion Gebre Daniel Shoemaker
11:35AM - 11:40AM	- Concluding Remarks Room: Room 208	

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11:35AM - 12:00PM	3812964 - Interaction of nanosized vanadium oxides with proteins and membrane interfaces Room: Room 236	Debbie Crans
11:40AM - 12:00PM	3820833 - Evaluating the effects of pyran ring scission on the kinetics of periplasmic nitrate reductase of <i>Campylobacter jejuni</i> Room: Virtual Session	Partha Basu
12:00PM - 02:00PM	- Electrochemistry: Room: Hall F-H	Amy Marschilok
12:00PM - 02:00PM	3821209 - In situ electrochemical spectroscopic study of ruthenium polyoxometalates as water oxidation catalysts Poster Board #856 Room: Hall F-H	Ting Cheng
12:00PM - 02:00PM	3825486 - Design and manufacture of electrode sample chambers for electrochemical detection of thiocyanate in saliva Poster Board #858 Room: Hall F-H	Antal Lee Julie Gerstner Clifford Murphy
12:00PM - 02:00PM	3826259 - Electrochemical and spectroscopic investigations of the interaction of auranofin with redox mediators Poster Board #860 Room: Hall F-H	Nancy khattar Alice Bruce Mitchell Bruce
12:00PM - 02:00PM	3826689 - Electrochemical sensing of thiocyanate ions in saliva samples for early screening of potential oral and gastric cancers Poster Board #701 Room: Hall F-H	Julie Gerstner Livia Cohen Antal Lee Clifford Murphy
12:00PM - 02:00PM	3828215 - Electrochemical studies of organochalcogen-containing compounds Poster Board #703 Room: Hall F-H	Madelaine Dolich Renee Franklyn Neela Nath Marisa Buzzeo
12:00PM - 02:00PM	- Coordination Chemistry: Lanthanide and Actinide Chemistry: Room: Hall F-H	Jerome R. Robinson Assistant Professor of Chemistry
12:00PM - 02:00PM	3805526 - Establishing a modular synthetic route to heterobimetallic uranyl complexes Poster Board #705 Room: Hall F-H	Natalie Lind Joseph Karnes Graduate Student Alexander Ervin James Blakemore
12:00PM - 02:00PM	3817021 - Expanding the cast of players in heterobimetallic complexes Poster Board #713 Room: Hall F-H	Riddhi Golwankar Alexander Ervin James Blakemore
12:00PM - 02:00PM	3817175 - Effect of human serum albumin (HSA) binding on the optical properties of terbium(III) DO3A derivatives Poster Board #707 Room: Hall F-H	Emily Bykonen Osasere Evbuomwan
12:00PM - 02:00PM	3819333 - Aryl carbonyl and aryl phosphine oxide groups as antennas for lanthanide luminescence Poster Board #709 Room: Hall F-H	Georgia Sands Shannon Biros

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12:00PM - 02:00PM	3820842 - Developing the fundamental chemistry of promethium using single-crystal x-ray diffraction Poster Board #711 Room: Hall F-H	Nicholas Dahlen Alyssa Gaiser
12:00PM - 02:00PM	3821386 - Evidence for ligand- and metal-centered reduction in polypyridyl dicarboxylate complexes of Ru(II) and U(VI) Poster Board #715 Room: Hall F-H	Emily Mikeska Gabriel Benitez Kaihua Zhang Allen Oliver Marco Caricato Chelsea Comadoll James Blakemore
12:00PM - 02:00PM	3824961 - Hydroxypyridinone-derived chelators for f-element complexation in used nuclear fuel conditions Poster Board #723 Room: Hall F-H	Marlom Jousee Martinez Gabriella Rodriguez Rene Panzer Christopher Dares Konstantinos Kavallieratos
12:00PM - 02:00PM	3825431 - Quantitative bond analysis between the trivalent lanthanide and uranium phosphinodiboronate complexes using DFT Poster Board #717 Room: Hall F-H	Rina Bhowmick Taylor Fetrow Joshua Zgrabik Scott Daly Bess Vlasisavljevich
12:00PM - 02:00PM	3826407 - Comparing phosphine oxide probes for estimation of Lewis acidity Poster Board #719 Room: Hall F-H	Riddhi Golwankar T. Davis Curry Cecilia Paranjothi James Blakemore
12:00PM - 02:00PM	3826612 - Synthesis and characterization of heterobimetallic lanthanide beta-diketonate complexes with alkali cations Poster Board #721 Room: Hall F-H	S D P Deepthi Y Chappidi Graduate Student Junjie Huang Veronica Carta Kim Dunbar Elisabeth Fatila
12:00PM - 02:00PM	3827398 - Synthesis and crystal structures of novel lanthanide phosphites utilizing organic templating cations Poster Board #725 Room: Hall F-H	Katie Huisman Eric Villa
12:00PM - 02:00PM	3827466 - Syntheses and structures of mix-metal sulfites: The facile linking of hard and soft metals via sulfite Poster Board #727 Room: Hall F-H	William Swenson Eric Villa
12:00PM - 02:00PM	- Coordination Chemistry: Inorganic Spectroscopy: Room: Hall F-H	Dr. Codrina Popescu Professor
12:00PM - 02:00PM	3822001 - Heteroleptic dirhodium(II,II) paddlewheel complexes for electro- and photocatalytic proton reduction Poster Board #733 Room: Hall F-H	Piyush Gupta Claudia Turro

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12:00PM - 02:00PM	3822602 - Synthesis, characterization, and spectral properties of nickel-sensitized lithium gallate-based phosphors doped with Sn (iv) Poster Board #729 Room: Hall F-H	Gilbert Kosgei Dr. Payagala Udawattage Ashvin Iresh Fernando Senior Scientist Brianna Fernando David Henderson Charles Weiss
12:00PM - 02:00PM	3825896 - Synthesis, characterization, photophysical properties, and applications of luminescent ionic coinage metal (I) complexes of phosphinopyridyl and pyrazolate ligands Poster Board #731 Room: Hall F-H	Lindsay Keiser Bailey Dills Mukunda Ghimire
12:00PM - 02:00PM	3826839 - Determining the photocatalytic pathway of μ -oxo iron bis-porphyrin with transient K-edge spectroscopy Poster Board #737 Room: Hall F-H	Laura Smith Jack Burke Rachel Wallick Ryan Lamb Taylor McClain Leland Gee Adi Natan James Penner-Hahn Roseanne Sension Josh Vura-Weis
12:00PM - 02:00PM	3827889 - Ultrafast excited state dynamics in Keggin polyoxometalate-cationic porphyrin architectures Poster Board #735 Room: Hall F-H	Lampros Tzianos Rama Krishna Guda
12:00PM - 02:00PM	- Organometallic Chemistry: Main Group Chemistry Room: Hall F-H	Todd Hudnall
12:00PM - 02:00PM	3805425 - Hydroboration of carbonates catalyzed by commercial NaH Poster Board #739 Room: Hall F-H	Congjian Ni
12:00PM - 02:00PM	3819731 - Phosphazene superbases interactions with Group 1 and 12 Lewis acids Poster Board #741 Room: Hall F-H	Nicholas Johnson Patrick Wagers Benjamin Thome Wiley Youngs Claire Tessier
12:00PM - 02:00PM	3821801 - Substituted phosphazenes as drug delivery systems Poster Board #743 Room: Hall F-H	Omar Ajwa Bryce Patterson Kyle Nebergall Madison Fish Nicholas Johnson
12:00PM - 02:00PM	3823863 - Carbonyl hydroboration and cyanosilylation catalyzed by group 14 metallocenes Poster Board #745 Room: Hall F-H	Haley Robertson Allegra Liberman-Martin
12:00PM - 02:00PM	3824514 - Investigations into copper(I) mediated coupling reactions of dodecaborates Poster Board #747 Room: Hall F-H	Mackayla Pirie Joel Dopke Richard Staples

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12:00PM - 02:00PM	- Organometallic Chemistry: Earth-Abundant Metal Catalysis Room: Hall F-H	Todd Hudnall
12:00PM - 02:00PM	3801572 - Vanadium-based alkylidene catalysts for olefin metathesis Poster Board #751 Room: Hall F-H	ashleigh sherman Konstantin Bukhryakov
12:00PM - 02:00PM	3818990 - Synthesis of vanadium alkylidenes for productive and unproductive olefin metathesis Poster Board #755 Room: Hall F-H	Celine Gomez Konstantin Bukhryakov
12:00PM - 02:00PM	3820828 - Isolating organometallic Ni intermediates in 8-aminoquinoline-directed C-H activation Poster Board #761 Room: Hall F-H	Emily Nolan Isaac Blythe Melanie Sanford
12:00PM - 02:00PM	3823188 - Characterization of Fe-Py ₂ N ₂ complexes as C-C coupling catalysts Poster Board #757 Room: Hall F-H	Jack bonnell Katherine Smith Magy Mekhail Kayla Green
12:00PM - 02:00PM	3826337 - Oxidative functionalization of cyclometalated aminoquinoline Ni(II) complexes Poster Board #753 Room: Hall F-H	Ila Castro Pronay Roy Abebu Kassie Melanie Sanford
12:00PM - 02:00PM	- Organometallic Chemistry: Applications to Materials and Polymer Science Room: Hall F-H	Nora Radu
12:00PM - 02:00PM	3812431 - Cyclopentadienyl pyridazines, oxazines, and thiophenes and their applications in energy and advanced electronics Poster Board #700 Room: Hall F-H	Dr. Nathan Charles Tice Associate Professor of Chemistry Steven Wild Assistant Professor Daniel Little Chad Snyder
12:00PM - 02:00PM	- Organometallic Chemistry: Applications to Organic Transformations Room: Hall F-H	Nora Radu
12:00PM - 02:00PM	3822993 - Dicationic palladium(II) aqua complex as new catalyst for the hydroarylation of acetylene Poster Board #702 Room: Hall F-H	Ngoc Nguyen Christine Hahn
12:00PM - 02:00PM	3826978 - Nickel N-heterocyclic carbene complexes and their applications in asymmetric hydrogenation of ketones Poster Board #704 Room: Hall F-H	Amanda Perkins Mitu Sharma Sean Stokes Joseph Emerson
12:00PM - 02:00PM	- Organometallic Chemistry: New Design Concepts & Reactivity Patterns Room: Hall F-H	Nora Radu

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12:00PM - 02:00PM	3823682 - Reactivity studies of a neutral and terminal niobium phosphide complex Poster Board #706 Room: Hall F-H	Shuruthi Senthil Seongyeon Kwon Dominik Fehn Hoyoung Im Michael Gau Patrick Carroll Mu-Hyun Baik Karsten Meyer Daniel Mindiola
12:00PM - 02:00PM	3826273 - Towards tandem catalysis using Ir and Ru catalysts for alkane metathesis Poster Board #708 Room: Hall F-H	Tyeshia Sapp Juancarlos Rojas Stephanie Velasquez Mejgon Omar Ann Bargstadt Jenalyn Halog-Calimquim Madalyn Radlauer Assistant Professor
12:00PM - 02:00PM	- Organometallic Chemistry: Experimental & Computational Mechanistic Investigation Room: Hall F-H	Nora Radu
12:00PM - 02:00PM	3813253 - Delineating the reaction energy profile of the enantioselective synthesis of dihydro-?-carbolines by tandem C-H activation and aza-Michael addition Poster Board #712 Room: Hall F-H	Syed Wasiuddin Nehul Tanna Maria-Clelia Milletti
12:00PM - 02:00PM	3814401 - Investigation of the rate-determining deaggregation step in a rhenium-catalyzed monoalkylation of phenols Poster Board #714 Room: Hall F-H	Jasmine Sirabella Ashton S Havens Maria-Clelia Milletti
12:00PM - 02:00PM	3814551 - Investigation of the efficacy of transition metal complex/squaramide catalyst systems in relay catalysis settings Poster Board #710 Room: Hall F-H	Nehul Tanna Maria-Clelia Milletti
12:00PM - 02:00PM	3818932 - Ligand substitution kinetics and mechanism of triosmium diiodide carbonyl cluster Os ₃ (CO) ₁₀ I ₂ with phosphites Poster Board #716 Room: Hall F-H	Cristabella Fortna Mary-Ann Pearsall
12:00PM - 02:00PM	3825184 - Exploring the reaction mechanism of a Rh(III)-catalyzed amidation of arenes Poster Board #718 Room: Hall F-H	Luke Mangas Maria-Clelia Milletti
12:00PM - 02:00PM	- Organometallic Chemistry: Structure & Bonding Room: Hall F-H	Nora Radu
12:00PM - 02:00PM	3816814 - CoIII(TIM) complexes bearing aza-cobalt-cyclobutenes: Revealing the hidden non-innocence of TIM Poster Board #720 Room: Hall F-H	Leobardo Rodriguez Segura Tong Ren

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12:00PM - 02:00PM	3816950 - Synthesis and characterization of thorium pyrasal complexes Poster Board #724 Room: Hall F-H	Tu Hoang Anne Gorden Dylan Eralie
12:00PM - 02:00PM	3819558 - Exploring electronic and structural properties of Fe(TIM) complexes Poster Board #726 Room: Hall F-H	Prakhar Gautam Reese Clendening Tong Ren
12:00PM - 02:00PM	3823642 - Control of charge (de)localization in FeIII-based mixed-valent complexes via macrocyclic substitution Poster Board #722 Room: Hall F-H	Reese Clendening Stephanie DeLancey Tong Ren
12:00PM - 02:00PM	3826810 - Synthesis and characterization of Ru(II) complexes bearing BIPHEP-type ligands and a chelating phosphine-bromoarene ligand Poster Board #728 Room: Hall F-H	Imran Alam Matthew Goldberg Dr. Rebecca E Black Assistant Professor of Chemistry
12:00PM - 02:00PM	- Solid-State Inorganic Chemistry: Materials and Design Room: Hall F-H	Viktor V Poltavets , Ph.D. Assistant Professor
12:00PM - 02:00PM	3811093 - Hydrothermal synthesis of divalent transition metal antimony oxides Poster Board #603 Room: Hall F-H	Bhakti Patel Colin McMillen Joseph Kolis
12:00PM - 02:00PM	3817924 - Synthesis of a MOF-derived catalyst with highly dispersed nanoparticles for photothermochemical dry reforming of methane Poster Board #730 Room: Hall F-H	Catherine Schrader Surya Vatti Dr. Mariam Ismail Assistant Professor of Chemistry
12:00PM - 02:00PM	3820788 - Solid state syntheses of Zn ₂ GeO ₄ phosphors for anti-counterfeiting application Poster Board #601 Room: Hall F-H	Zishen Yang Delaney Patocka Levi Spencer Chaoyang Jiang
12:00PM - 02:00PM	3822054 - Molybdenum phosphate-based frameworks as cathode materials for rechargeable batteries Poster Board #605 Room: Hall F-H	Sutapa Bhattacharya Amitava Choudhury
12:00PM - 02:00PM	3824166 - Synthesis and properties of high-entropy lanthanide oxyhydrides Poster Board #607 Room: Hall F-H	Yuvraj Vaishnav Marcell Toth Walid Almaksoud Yoji Kobayashi
12:00PM - 02:00PM	3824759 - Reinvestigation of the structures and physical properties of some thermochromic A ₂ NiCl ₄ salts Poster Board #609 Room: Hall F-H	Tu Nguyen Marcus Bond
12:00PM - 02:00PM	3825084 - Hybrid molybdenum bronzes as a tunable material platform Poster Board #611 Room: Hall F-H	Wedage Dayaratne Bennett Schmitt William Webb Dr. Adam Jaffe Assistant Professor

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12:00PM - 02:00PM	3825131 - Hybrid tungsten bronzes: A tunable organic-inorganic platform Poster Board #613 Room: Hall F-H	Raul Torres-Cadena Emma Westrick Dr. Adam Jaffe Assistant Professor
12:00PM - 02:00PM	3825249 - Exploration of the magnetic and electronic properties of the novel van der Waals compounds, Mn ₂ Ga ₂ S ₅ and Mn ₂ In ₂ Se ₅ Poster Board #617 Room: Hall F-H	Archibald Williams Joshua Goldberger
12:00PM - 02:00PM	3825785 - Quaternary diamond-like sulfides of structure types I2-II-IV-VI4 and I4-II-IV2-VI7: Candidates for infrared nonlinear optical applications Poster Board #615 Room: Hall F-H	Jordan Kelly Andrew J Craig Seung Han Shin Jeong Bin Cho Janae Chase Joon Jang Jennifer Aitken
12:00PM - 02:00PM	3826582 - Expanding the library of goniopolar materials: Taking electronic materials in new directions Poster Board #619 Room: Hall F-H	Andrew Ochs
12:00PM - 02:00PM	3828558 - Investigating the molecular storage of cysteamine within MOF-74 Poster Board #621 Room: Hall F-H	Jonathan Lefton Tomce Runcevski
12:00PM - 02:00PM	- Solid-State Inorganic Chemistry: Catalysis and Sustainability Room: Hall F-H	Viktor V Poltavets , Ph.D. Assistant Professor
12:00PM - 02:00PM	3820968 - Optimizing CO ₂ photoreduction in titania multivariate frameworks via modification of the electronic and steric environments of the organic building blocks. Poster Board #623 Room: Hall F-H	Jacob Furst Jacob Bryant Fernando Uribe-Romo
12:00PM - 02:00PM	- Solid-State Inorganic Chemistry: Energy Production and Remediation Room: Hall F-H	Viktor V Poltavets , Ph.D. Assistant Professor
12:00PM - 02:00PM	3807058 - Materials with axis-dependent conduction polarity make transverse thermoelectric generators a reality Poster Board #627 Room: Hall F-H	Karl Koster Joshua Goldberger
12:00PM - 02:00PM	3818474 - Withdrawn Room: Hall F-H	
12:00PM - 02:00PM	3833478 - Withdrawn Room: Hall F-H	
12:00PM - 02:00PM	- Physical Inorganic Tutorials: Room: Hall F-H	Ryan O'Donnell Jeffrey Rack
12:00PM - 02:00PM	3817623 - Observing and understanding polymer electrodeposition using electrochemistry, spectroscopy, and scanning probe microscopy Poster Board #631 Room: Hall F-H	Judith Jenkins Jessica Bone

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12:00PM - 02:00PM	- 2023 ACS Award in Inorganic Chemistry: Symposium in Honor of Jerry L. Atwood: Room: Hall F-H	David Atwood Gregory Robinson
12:00PM - 02:00PM	3802881 - Paramagnetic resonance of high-spin Co(II) in biologically-relevant environments Poster Board #1106 Room: Hall F-H	kumari Walpita David Tierney
12:00PM - 02:00PM	3814417 - Iridium(III)-based artificial metalloenzymes with tunable photophysical properties: A new platform for photocatalysis in aqueous solution Poster Board #1108 Room: Hall F-H	Bingqing Liu
12:00PM - 02:00PM	3828804 - Hydrogen evolution reaction in plasmonic photocatalysis Poster Board #1114 Room: Hall F-H	Olya Radeglia
12:00PM - 02:00PM	- 2023 ACS Award in the Chemistry of Materials: Symposium in Honor of Reshef Tenne: Room: Hall F-H	Maya Bar Sadan Mauricio Terrones
12:00PM - 02:00PM	3818111 - Bi ₄ TaO ₈ Cl as a new class of layered perovskite oxyhalide materials for piezopotential driven efficient seawater splitting Poster Board #1116 Room: Hall F-H	Maqsuma Banoo
12:00PM - 02:00PM	3821864 - Disulfide-driven pore functionalization of metal-organic frameworks Poster Board #1122 Room: Hall F-H	Jennifer Moore Douglas Genna
12:00PM - 02:00PM	- 2023 Alfred Bader Award in Bioinorganic Chemistry: Symposium in Honor of R. David Britt: Room: Hall F-H	Alison Butler Professor Daniel Suess
12:00PM - 02:00PM	3825616 - Characterization of the radical S-adenosylmethionine (SAM) enzymes HydG and HydE by EPR and Mössbauer spectroscopies Poster Board #1100 Room: Hall F-H	David Villarreal
12:00PM - 02:00PM	- 2023 F. Albert Cotton Award in Synthetic Inorganic Chemistry: Symposium in Honor of May Nyman: Room: Hall F-H	Ana Arteaga Clément Falaise
12:00PM - 02:00PM	3819964 - Towards experimental investigation of the electronic structure of germanium-based perovskites Poster Board #1102 Room: Hall F-H	Md Riad Sarkar Pavel Javier Vela
12:00PM - 02:00PM	- 2023 Harry Gray Award for Creative Work in Inorganic Chemistry by a Young Investigator: Symposium in Honor of Robert J. Gilliard, Jr.: Room: Hall F-H	Roman Dobrovetsky Todd Hudnall
12:00PM - 02:00PM	3812967 - Overview of significant works by the Tiow-gan Ong group in the 16th anniversary Poster Board #1104 Room: Hall F-H	Cheng-Han Yu Professor Tiow-Gan Ong

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12:00PM - 02:00PM	- Undergraduate Research at the Frontiers of Inorganic Chemistry: General Room: Hall F-H	Chip Nataro Marshall R. Metzgar Professor
12:00PM - 02:00PM	3809729 - Synthesis and physicochemical properties of 2,5-dihydroxy- and 2,5-diamino-1,4-quinones appended with two phosphonate groups Poster Board #1140 Room: Hall F-H	Joey Sanders Kailin Mooney Eugenijus Urnezis Edward Valente
12:00PM - 02:00PM	3830037 - IONIC VIPER: A community racing to improve teaching and learning Poster Board #1138 Room: Hall F-H	Chip Nataro Marshall R. Metzgar Professor Anne Bentley Katherine Crowder Hilary Eppley Anthony Fernandez Kyle Grice Elizabeth Jamieson Shirley Lin Justin Pratt Jeffrey R. Raker Associate Professor Barbara Reisner Professor Sheila Smith Joanne Stewart Kari Stone Lori Watson Nancy Williams
12:00PM - 02:00PM	- Bioinorganic Chemistry, Energy, and the Environment: Room: Hall F-H	Dr Stephen A Koch Professor of Chemistrtry
12:00PM - 02:00PM	3818928 - Formation of iron-sulfur clusters by persulfides Poster Board #909 Room: Hall F-H	Ziyi Zhao Aaron Gruen Eunsuk Kim
12:00PM - 02:00PM	3820373 - Synthesis and characterization of novel nickel(II) complexes as precursors to [NiFe]-hydrogenase mimetic compounds Poster Board #907 Room: Hall F-H	Elaine Liu Selmina Huskic
12:00PM - 02:00PM	- Bioinorganic Chemistry from Cell to Organism: Room: Hall F-H	Dr Stephen A Koch Professor of Chemistrtry
12:00PM - 02:00PM	3824665 - Applying fragment-based drug discovery to inhibit YtfE nitrite reductase activity Room: Hall F-H	Sri Manyata Peddinti Amanda Kirschner Levi Ekanger
12:00PM - 02:00PM	3825765 - Synthesis and biological evaluation of azodioxide compounds of first-series transition metals Poster Board #913 Room: Hall F-H	Ahmed Salem Warren Boyd
12:00PM - 02:00PM	3827976 - Distinct impact of metals ions on beta-amyloid aggregation and Alzheimer's disease mechanisms Poster Board #915 Room: Hall F-H	Alyssa Schroeder Marilyn Mackiewicz

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12:00PM - 02:00PM	- Medicinal Applications of Bioinorganic Chemistry: Room: Hall F-H	Dr Stephen A Koch Professor of Chemisrtry
12:00PM - 02:00PM	3801744 - Crystal structures of the anti-cancer metallopeptides bleomycin A2 vs. B2 bound to DNA: Observation of two completely different congener-dependent bithiazole insertions at the same 5'-TAGTT site Poster Board #919 Room: Hall F-H	Eric Long Millie Georgiadis
12:00PM - 02:00PM	3814650 - Synthesis and characterization of Zn complex of an 8-hydroxyquinoline derivative as a zinc transport-facilitating agent to kill multidrug-resistant Staphylococcus aureus Poster Board #917 Room: Hall F-H	Khalil Mudarmah Nalin Abeydeera Min-Ho KIM Songping Huang
12:00PM - 02:00PM	3827167 - Exploration of radical scavenging reactivity in substituted pyridinophane ligands Poster Board #921 Room: Hall F-H	Christina Mantsorov Magy Mekhail Katherine Smith David Freire Kristof Pota Kayla Green
12:00PM - 02:00PM	3827727 - Impact of pyridinophane substitution on antioxidant and pharmacological properties Poster Board #923 Room: Hall F-H	Will Campa Katherine Smith Shrikant Nilewar Kayla Green
12:00PM - 02:00PM	- Sustainable Energy and Environment: Chemical Transformations and Catalytic Conversions Room: Hall F-H	Claus Lugmair
12:00PM - 02:00PM	3802468 - Development of Cr complexes bearing anionic pincer ligands for N2 reduction and NH3 oxidation Poster Board #929 Room: Hall F-H	Olivia Duletski Michael Mock
12:00PM - 02:00PM	3814094 - Alumina-based bifunctional catalyst for efficient CO2 fixation into epoxides at atmospheric pressure Poster Board #927 Room: Hall F-H	ANTARIP MITRA VENKATARAMANAN MAHALINGAM
12:00PM - 02:00PM	3828959 - Photocatalytic CO2 reduction using complexes based on earth-abundant metals Poster Board #931 Room: Hall F-H	Crystal Mendoza Philipp Ralle Claudia Bizzarri
12:00PM - 02:00PM	- Sustainable Energy and Environment: Electrochemical Energy Storage and Conversion Room: Hall F-H	Kenneth Takeuchi
12:00PM - 02:00PM	3805382 - Fe(II) complex with a redox-active organic ligand acts as an electrocatalyst for the reduction of dioxygen Poster Board #935 Room: Hall F-H	Eric Ramos Sara Collins Matthew Tao Alexander Saunders Segun Victor Obisesan Christian Goldsmith

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12:00PM - 02:00PM	3826447 - Reaching a sustainable energy system: The critical role of electrochemical energy storage Poster Board #933 Room: Hall F-H	Esther Takeuchi Amy Marschilok Kenneth Takeuchi
12:00PM - 02:00PM	- Sustainable Energy and Environment: Environmental Remediation and Monitoring Room: Hall F-H	Kenneth Takeuchi
12:00PM - 02:00PM	3825762 - Characterization of materials used as face coverings for respiratory protection and probing the impact of heat treatment Poster Board #937 Room: Hall F-H	Chavis Stackhouse Shan Yan Lei Wang Kim Kisslinger Ryan Tappero Ashley Head Iradwikanari Waluyo Adrian Hunt Killian Tallman Esther Takeuchi David Bock Kenneth Takeuchi Amy Marschilok
12:00PM - 02:00PM	3826511 - Progress towards the development of a regional research network for sustainable practices in the gulf coast region Poster Board #939 Room: Hall F-H	Chavis Stackhouse Sarbjit Banerjee Karen L. Wooley W. T. Doherty-Welch Chair and Distinguished Professor
12:00PM - 02:00PM	3828871 - Metal-ligand cooperativity promotes reversible capture of dilute CO ₂ Poster Board #941 Room: Hall F-H	Craig Grapperhaus Christine Phipps Dillon Hofsommer Mark Mashuta Robert Buchanan
12:00PM - 02:00PM	- Nanoscience: Molecular Frameworks and Cages: Room: Hall F-H	Rebecca Siegelman
12:00PM - 02:00PM	3804717 - Broadly tunable atmospheric water harvesting in multivariate metal-organic frameworks Poster Board #943 Room: Hall F-H	Zhiling Zheng Nikita Hanikel Lyu Hao Omar Yaghi
12:00PM - 02:00PM	3808970 - Facile post synthetic modification approach for tuning MOF color across the visible spectrum Poster Board #947 Room: Hall F-H	Zoe Soilis Tae Hoon Choi Joe Brennan Renee Frontiera Karl Johnson Nathaniel Rosi
12:00PM - 02:00PM	3816939 - Withdrawn Room: Hall F-H	

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12:00PM - 02:00PM	3818442 - Implementation of a core-shell design approach for constructing MOFs for CO ₂ capture Poster Board #949 Room: Hall F-H	Yiwen He Paul Boone Austin Lieber Jan Steckel Zi Tong PRASENJIT DAS Katherine Hornbostel Chris Wilmer Nathaniel Rosi
12:00PM - 02:00PM	3824752 - Spicing up metal organic frameworks with Zincke salts: New recipes for post-synthetic modification Poster Board #951 Room: Hall F-H	Thomas Cao Daniel Corbin Christopher Breshike Robert McGill
12:00PM - 02:00PM	3828816 - Non-volatile optoelectronic memory device based on in-metal organic framework Poster Board #953 Room: Hall F-H	Mujahid Mustaqeem Yang-Fang Chen Pi-Tai Chou
12:00PM - 02:00PM	3830483 - Transformation of a copper metal-organic cage into a 2D metal-organic framework Poster Board #955 Room: Hall F-H	Muhammad Abbas Amanda Maceda Kenneth Balkus
12:00PM - 02:00PM	- Nanoscience: Synthesis, Characterization and Properties of Nanomaterials and Their Hierarchical Structures: Room: Hall F-H	Brian Trewyn
12:00PM - 02:00PM	3812842 - Electrochemical synthesis of single shape defined Au nanoparticles Poster Board #957 Room: Hall F-H	Ekta Verma Myung-Hoon Choi Lane Baker Professor Sara Skrabalak
12:00PM - 02:00PM	3813383 - Synthesis of gold nanoparticles via microfluidic reactor optimization Poster Board #959 Room: Hall F-H	Jacob Fyffe Ali Abou-Hassan
12:00PM - 02:00PM	3814782 - Developing a synthesis-structure-property-performance map for nanomaterials Poster Board #961 Room: Hall F-H	Amber Keegan
12:00PM - 02:00PM	3819999 - Connecting ligand binding preferences between atomically precise nanoclusters and large nanoparticles during ligand exchange Poster Board #902 Room: Hall F-H	Timothy Lou Zachary Rhoden Benjamin Lear
12:00PM - 02:00PM	3820781 - Synthesis and characterization of colloidal Ge-Si-Sn alloy nanocrystals with composition-tunable visible to near-IR photoluminescence Poster Board #900 Room: Hall F-H	Drew Spera Indika Arachchige

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12:00PM - 02:00PM	3823690 - Post-synthetic surface modification of the two-dimensional semiconductor CrSBr Poster Board #904 Room: Hall F-H	Claire Looney Hannah Christianson Evan Telford Daniel Chica Xavier Roy Andrew Crowther
12:00PM - 02:00PM	3824953 - Computational analysis of the electronic properties of lanthanide double perovskite nanocrystals Poster Board #906 Room: Hall F-H	Peter Saghy PhD Candidate Alexander M. Brown Graduate Student Jerome R. Robinson Assistant Professor of Chemistry Ou Chen
12:00PM - 02:00PM	3826467 - Self-assembly of metal chalcogenide nanoplatelets using the Hele-Shaw cell for optoelectronic applications Poster Board #908 Room: Hall F-H	Diana Aponte Claudio Joselyn Del Pilar Albaladejo
12:00PM - 02:00PM	3826684 - Synthesis and electrochemical properties of nanostructured Ni _x Co _{3-x} O ₄ materials Poster Board #914 Room: Hall F-H	MaryAgnes Balogun Melissa Koch Dr. Kathryn Knowles Assistant Professor
12:00PM - 02:00PM	3826932 - Multimodal microscopy characterisation of 2D materials Poster Board #910 Room: Hall F-H	Georgios Arvanitakis Stuart Thomson
12:00PM - 02:00PM	3828254 - Halide influence on the kinetics of silver and gold nanoparticle formation Poster Board #912 Room: Hall F-H	Timothy Brewer Steven Akins Shoujie Zeng
12:00PM - 02:00PM	- Nanoscience: Applications of Nanomaterials: Room: Hall F-H	Brian Trewyn
12:00PM - 02:00PM	3810062 - Optimization of surface functionalization of europium-doped calcium fluoride nanoparticles for potential cellular imaging Poster Board #928 Room: Hall F-H	Matteo Fratarcangeli Channa De Silva
12:00PM - 02:00PM	3812261 - Functionalized metal-organic frameworks for next generation organophosphate sorbents Poster Board #934 Room: Hall F-H	Daniel Corbin Thomas Cao Christopher Breshike Robert McGill
12:00PM - 02:00PM	3817283 - Spectroscopic analysis and quantification of photoluminescent transition metal complexes confined within boron nitride nanotubes Poster Board #920 Room: Hall F-H	Cecilia Martinez-Jimenez Riaz Mowzoon-Mogharrabi Thomas Ryu Matteo Pasquali Angel Marti-Arbona
12:00PM - 02:00PM	3818100 - Cobalt oxide nanoparticle synthesis and characterization Poster Board #918 Room: Hall F-H	Dejuan Jones Md Abdul Hoque

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12:00PM - 02:00PM	3818769 - Photocatalytic activity of nanocrystalline CeNiO ₃ perovskite and its entropy-stabilized derivatives towards Azo dyes degradation Poster Board #922 Room: Hall F-H	Jelena Kojcinovic Roberto Basara Dalibor Tatar Maya Ibrahim Helena Kaper Igor Djerdj
12:00PM - 02:00PM	3821557 - Exploring 2D/high entropy rocksalt metal oxides for CO ₂ capture Poster Board #930 Room: Hall F-H	Claire Block
12:00PM - 02:00PM	3823633 - Ferricyanide intercalated zinc-aluminum layered double hydroxide pH indicator Poster Board #924 Room: Hall F-H	Allen Chaparadza Quincy Cochran
12:00PM - 02:00PM	3824026 - Near Infrared light-responsive Au loaded Mn doped HAp-based injectable nanoplatform for imaging-guided cancer therapy Poster Board #936 Room: Hall F-H	SUDIP MONDAL Sumin Park Jaeyeop Choi Junghwan Oh
12:00PM - 02:00PM	3828834 - Janus Au-Fe ₃ O ₄ nanoparticles for multimodal applications: Photothermal, photodynamic therapy, and photoacoustic imaging-guided cancer therapy Poster Board #938 Room: Hall F-H	Sumin Park Jaeyeop Choi SUDIP MONDAL Junghwan Oh
12:00PM - 02:00PM	- Coordination Chemistry: Ligand Design, Synthesis, and Reactivity: Room: Hall F-H	Anna Svetlanova-Larsen
12:00PM - 02:00PM	3801604 - Amine and imine-functionalized Mn-based MOF as unusual turn-on and turn-off sensor for d10 heavy metal ions and efficient adsorbent to capture iodine Poster Board #940 Room: Hall F-H	SAMRAH KAMAL
12:00PM - 02:00PM	3804043 - Towards the preparation of a terminal iron carbide complex Poster Board #837 Room: Hall F-H	Austin Chivington Maren Pink Nobu Yamamoto Jeremy Smith
12:00PM - 02:00PM	3812567 - Palladium(II) complexes of 2,2':6',2''-terpyridine and 4'-chloro-2,2':6',2''-terpyridine: Synthesis, characterization, and cytotoxicity studies Poster Board #942 Room: Hall F-H	Austin Wayne Betsy Leverett Hadi Arman Rafael Adrian
12:00PM - 02:00PM	3813696 - Synthesis, characterization, and antitumor activity of copper(II) complexes with 5-chloro-1,10-phenanthroline Poster Board #944 Room: Hall F-H	Malya Breen Betsy Leverett Hadi Arman Rafael Adrian
12:00PM - 02:00PM	3813900 - Mixed-ligand palladium(II) complexes of 1,2-bis(diphenylphosphino)ethane: Synthesis, characterization, and cytotoxicity Poster Board #801 Room: Hall F-H	Brittney Vargas Betsy Leverett Hadi Arman Rafael Adrian

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12:00PM - 02:00PM	3818569 - Structure, spectroscopy, and reactivity of Cu, Ni and Pd complexes bound by redox-active ligands with tunable H-bond donors Poster Board #803 Room: Hall F-H	Ankita Puri Allison McAninch Marcel Swart Isaac Garcia-Bosch
12:00PM - 02:00PM	3818878 - Silver-free synthesis of iridium-aqua complexes by heterogeneous solid-phase ion-exchange Poster Board #805 Room: Hall F-H	Melanie Oliva David Green Kelsey Brereton
12:00PM - 02:00PM	3819437 - Effects of altered ligand structure on the coordination of industrially-relevant protic molecules to sulfonamidate metal complexes with second sphere hydrogen bonding Poster Board #811 Room: Hall F-H	Rebecca Foley Christian Wallen
12:00PM - 02:00PM	3819451 - Coordination of industrially-relevant protic molecules to metal-sulfonamidate complexes with second-sphere hydrogen bonding Poster Board #809 Room: Hall F-H	Morgan Hern Christian Wallen
12:00PM - 02:00PM	3819475 - Multiple coordination modes of ligands containing β -hydroxy acetate and pyridine groups with divalent metal ions Poster Board #807 Room: Hall F-H	Logan Frazier Michael Goldcamp Mark Chrisman Spencer Lanhim Michael Baldwin Jeanette Krause Sam Foote Alena Moore
12:00PM - 02:00PM	3820335 - Synthesis of group 5 amide amidinates: Different reactivities of Nb(V) and Ta(V) complexes Poster Board #813 Room: Hall F-H	Adam Hand Adam Lamb Michael Richmond Dr. Xiaoping Wang Senior Scientist Carlos Steren Ziling Xue
12:00PM - 02:00PM	3820551 - Coordination of small protic ligands to metal complexes with second-sphere hydrogen bonding with computational modeling Poster Board #815 Room: Hall F-H	Carter Rodgers Christian Wallen
12:00PM - 02:00PM	3820553 - Chelating radium: Understanding the coordination and bonding environment of radium Poster Board #817 Room: Hall F-H	Trenton Vogt Alyssa Gaiser
12:00PM - 02:00PM	3820848 - Facile addition of B-H and B-B bonds to an iron(IV) nitride complex Poster Board #819 Room: Hall F-H	Bao Tran Veronica Carta Maren Pink Kenneth Caulton Jeremy Smith

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12:00PM - 02:00PM	3820852 - Selective recognition of chlorpyrifos pesticide by nitrosylruthenium complex in aqueous medium Poster Board #821 Room: Hall F-H	Iván Bazany Virginia G3mez-Vidales Alejandro Dorazco Gonzalez Pandiyan Thangarasu
12:00PM - 02:00PM	3823132 - Synthetic and redox studies of Ru(saloph)(NO)(OMe) (saloph = N,N-bis(salicylidene)-1,2-diaminobenzene) Room: Hall F-H	Dr Michael J Shaw , Ph.D. Distinguished Research Professor Jeremy Smalling
12:00PM - 02:00PM	3823144 - Synthesis, characterization, and reduction chemistry of [Ru(tBu4saloph)(NO)(1-Melm)]BPh4 (saloph = N,N-bis(2,4-bis- tbutylsalicylidene)-1,2-diaminobenzene) Poster Board #825 Room: Hall F-H	Dr Michael J Shaw , Ph.D. Distinguished Research Professor Blake Cuppett
12:00PM - 02:00PM	3823147 - Synthesis, characterization, and reduction chemistry of Ru(TAP)(ArN2)(CO) (TAP = tetranisolypporphyrin, Ar = C6H5, p- C6H4CF3) Poster Board #827 Room: Hall F-H	Dr Michael J Shaw , Ph.D. Distinguished Research Professor Noah Lieberman
12:00PM - 02:00PM	3823227 - Synthesis of carbonate-free nanojars by depolymerization of copper(II)-hydroxide/pyrazolate polymers Poster Board #829 Room: Hall F-H	Pooja Singh Professor Gellert Mezei Professor
12:00PM - 02:00PM	3824945 - Towards solution-processable white light emitting benzimidazole-Cu complexes Poster Board #831 Room: Hall F-H	Stephanie Sorensen Aron Huckaba
12:00PM - 02:00PM	3824999 - Copper-promoted C-H bonds functionalization of ketones and amines via azaallyl chemistry Poster Board #833 Room: Hall F-H	Sunipa Goswami Isaac Garcia-Bosch
12:00PM - 02:00PM	3825484 - Novel distal and proximal isomeric Ru(II) complexes with the bis-bidentate bridging ligand 2,5-dipyridyl pyrazine (2,5-dppz) with the potential of binding remote metal centers Poster Board #845 Room: Hall F-H	Ronald R. Ruminski , Ph.D. Professor Sarah Aragon Alissa Ervin Morgan Lee Al Schoffstall Gavin R. Hoffman
12:00PM - 02:00PM	3825656 - Palladium(II) complexes of ethylenediamine containing phenanthroline-based ligands: Synthesis, characterization and cytotoxicity studies Poster Board #835 Room: Hall F-H	Liam Faubert Betsy Leverett Hadi Arman Rafael Adrian
12:00PM - 02:00PM	3825875 - Terpyridine ruthenium oxime complexes: Models for proton coupled electron transfer Room: Hall F-H	Caleb Bean Anthony Tukanowicz-Hassett Elisabeth Bell-Loncella
12:00PM - 02:00PM	3825950 - Polydentate bis(amidine) ligands as molecular scaffolds for luminescent copper(I) complex arrays Poster Board #839 Room: Hall F-H	Keri Dowling Colin McMillen Michael Stollenz Associate Professor

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12:00PM - 02:00PM	3826117 - Cytotoxicity of novel palladium(II) complexes containing 4,7-dichloro-1,10-phenanthroline as ancillary ligand Poster Board #843 Room: Hall F-H	Nalani Rose Betsy Leverett Hadi Arman Rafael Adrian
12:00PM - 02:00PM	3826660 - Structural features and cytotoxic activity of platinum(II) complexes of 1,10-phenanthroline Room: Hall F-H	Matthew White Betsy Leverett Hadi Arman Rafael Adrian
12:00PM - 02:00PM	3826946 - Red light activation of a Ni(II) cross-coupling catalyst Poster Board #804 Room: Hall F-H	Hannah Sayre
12:00PM - 02:00PM	3827490 - Syntheses and crystal structures of new metal complexes utilizing a periodic acid flux Poster Board #806 Room: Hall F-H	Wyatt Baude Eric Villa
12:00PM - 02:00PM	3827797 - High-temperature reactions of Os ₃ (CO) ₁₂ with picolinic acid: The first examples of osmium carbonyl complexes containing picolinate ligands Poster Board #808 Room: Hall F-H	Gregory Powell Cynthia Powell Rebecca Atkins
12:00PM - 02:00PM	3827814 - Synthesis of novel Cu(II)-NHC complexes containing pyridine-functionalized benzimidazolylidene ligands and the study of its electronic influence towards Chan-Evans Lam coupling reactions Poster Board #810 Room: Hall F-H	Bhupendra Adhikari SELVAM RAJU Sean Stokes Joseph Emerson
12:00PM - 02:00PM	- Coordination Chemistry: Catalysis and Applications: Room: Hall F-H	Anna Svetlanova-Larsen
12:00PM - 02:00PM	3805419 - Preparation, molecular structures, and anticancer potentials of metal dithiocarbamate complexes Poster Board #812 Room: Hall F-H	Peter Ajibade Athandwe Paca
12:00PM - 02:00PM	3812640 - Metal mediated reactions of hydrocarbons with carbon dioxide: An approach to study the mitigation of greenhouse gases Poster Board #834 Room: Hall F-H	Abul Rahman
12:00PM - 02:00PM	3817498 - Catalytic selective hydroelementation of various terminal alkenes by a (PPP) pincer-ligated cobalt(II) complex Poster Board #816 Room: Hall F-H	Azamat Yessengazin Matthew Fitzsimmons Gillian Hatzis Christine Thomas
12:00PM - 02:00PM	3818867 - Photochemical formic acid dehydrogenation by tethered and untethered iridium complexes Poster Board #814 Room: Hall F-H	Elizabeth Chang David Green Kelsey Brereton
12:00PM - 02:00PM	3821167 - Exploring the chemistry of well-defined dinuclear silver(I) catalysts Poster Board #818 Room: Hall F-H	Habeeba Mansour Mariana Mohsen Michael Campbell

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12:00PM - 02:00PM	3821853 - Modified copper nanoparticles for carbon dioxide electroreduction Poster Board #828 Room: Hall F-H	Tehreem Hussain Joseph Sadighi
12:00PM - 02:00PM	3822004 - Photocatalytic reduction of CO ₂ using zinc photosensitizers Poster Board #822 Room: Hall F-H	JEAN-PIERRE SANZA Senan Rasheed Catherine McCusker
12:00PM - 02:00PM	3822589 - Nickel phosphinite pincer complexes as catalysts for deoxygenative hydroboration of amides to amines Poster Board #820 Room: Hall F-H	Azamat Yessengazin Aziza Adilkhanova Valeriya Frolova Andrey Khalimon
12:00PM - 02:00PM	3823265 - Metal N-heterocyclic carbene complexes for catalytic ketone reduction Poster Board #824 Room: Hall F-H	Emily Rouse Mitu Sharma Sean Stokes Joseph Emerson
12:00PM - 02:00PM	3825447 - Probing decomposition pathways in photocatalytic hydrogen generation Poster Board #826 Room: Hall F-H	Amanda Mitchell Marissa Ho William McNamara
12:00PM - 02:00PM	3825546 - Immobilization of iron complexes on TiO ₂ for photocatalytic hydrogen evolution Poster Board #830 Room: Hall F-H	Jessica Cropley Marissa Ho Amanda Mitchell William McNamara
12:00PM - 02:00PM	3827153 - Synthesis, x-ray studies, and theoretical structural analysis of a binuclear manganese tricarbonyl thionicotinic acid complex Poster Board #832 Room: Hall F-H	Abul Rahman Sarvesh Ramakrishnan Delwar Hossain Doug Powell
12:00PM - 02:00PM	3827632 - Hemilabile tridentate (NNN) ligand-based metal(II)-complexes preparation and applications in the asymmetric hydrogenation of ketones Poster Board #836 Room: Hall F-H	Alison Duckworth SELVAM RAJU Mitu Sharma Sean Stokes Joseph Emerson
12:00PM - 02:00PM	3827926 - Exploring a tridentate (NNN)-based Cu(II) catalyst for use in conjugate addition of anilines to activated olefins to access C-N bond formation under mild conditions Poster Board #838 Room: Hall F-H	erfan masaeli SELVAM RAJU Sean Stokes Joseph Emerson
12:00PM - 02:00PM	3828851 - Synthesis and utility of novel tridentate SNS Schiff base ligands in catalytic reactions Poster Board #840 Room: Hall F-H	Temitayo Falola Christopher Hamaker
12:00PM - 02:00PM	- Coordination Chemistry: Electronic Structure, Magnetism, and Spectroscopy: Room: Hall F-H	Anna Svetlanova-Larsen
12:00PM - 02:00PM	3804957 - Cascade hydrogen bonds to control the chemistry at distant metal center Poster Board #850 Room: Hall F-H	Heechan Kim Kyunghwan Min Juhwan Shin Dongwhan Lee

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12:00PM - 02:00PM	3813108 - Paramagnetic resonance measurements in five-coordinate cobalt complexes Poster Board #842 Room: Hall F-H	VIPUL BATRA David Tierney
12:00PM - 02:00PM	3817879 - Magnetic and redox properties of a cobalt(II) heteroscorpionate Poster Board #846 Room: Hall F-H	Jamie Freeman Patrick Desrochers
12:00PM - 02:00PM	3818683 - Solution dynamics of four- and five-coordinate cobalt complexes Poster Board #844 Room: Hall F-H	Matthew Grindle David Tierney
12:00PM - 02:00PM	3822427 - Withdrawn Room: Hall F-H	
12:00PM - 02:00PM	3823050 - Studies on molecular rectification through iodo-substituted bisphenolate iron(III) surfactants Poster Board #854 Room: Hall F-H	Gibson Kirui Claudio Verani
12:00PM - 02:00PM	3824478 - Isostructural bridging diiron chalcogenide cores [Fe ₂ (u-E)-Fe] (E = O, S, Se, Te) with decreasing antiferromagnetic coupling down the chalcogenide series and access to reactive low valent iron compounds Poster Board #852 Room: Hall F-H	Ethan Zars Lisa Gravogl Lisa Pick Michael Gau Patrick Carroll Karsten Meyer Daniel Mindiola
12:00PM - 02:00PM	- Remembering the Legacy of Synthetic Aza Macrocycles: Room: Hall F-H	Kristin Bowman-James Professor Thomas Meade Rebecca Roesner Kenneth Takeuchi
12:00PM - 02:00PM	3818035 - Electron-rich complexes of unsymmetrically functionalized, redox non-innocent 2-isocyanoazulene and 2-isocyano-6,2'-biazulene ligands Poster Board #1132 Room: Hall F-H	Georgii Griaznov Kelise Reddish Anthony Gideon John Meyers Dr. Mikhail Barybin Professor
12:00PM - 02:00PM	3820942 - Ethylene cross-bridged tetraazamacrocyclic transition metal complexes with alkene and alkyne pendant arms for copolymerization to produce heterogeneous catalysts for water purification Poster Board #1136 Room: Hall F-H	Jonathan Ebel Leslie Garcia Elisabeth Allbritton Somrita Mondal Prof. Timothy J. Hubin , PhD Prof. of Chemistry
12:00PM - 02:00PM	3826814 - Unexpected reactivity of phenylacetylide coordinated to a rhenium selenide cluster core Poster Board #1126 Room: Hall F-H	Katherine Helmink Ernesto Soto Colleen Chin Lisa Szczepura
12:00PM - 02:00PM	3827077 - Investigating the ability of [Re ₆ Se ₈] ²⁺ -based clusters to facilitate cycloaddition reactions Poster Board #1128 Room: Hall F-H	Kalli Ingram Lisa Szczepura

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12:00PM - 02:00PM	3827860 - Cobalt catalyzed oxidation reactions for sustainable C-H activation Poster Board #1124 Room: Hall F-H	Cora MacBeth Ailing Yu
12:00PM - 02:00PM	3828826 - Effect of hydrogen bond interactions on the properties and hydrogen atom abstraction reactivity of the Mn(III)-hydroxo complexes Poster Board #1134 Room: Hall F-H	Priya Singh Brandon Nguyen Patrick Murphy Timothy Jackson Professor
12:00PM - 02:00PM	- Undergraduate Research at the Frontiers of Inorganic Chemistry: Bioinorganic Chemistry Room: Hall F-H	Chip Nataro Marshall R. Metzgar Professor Meghan Porter
12:00PM - 02:00PM	3803681 - Ligand effects on the temperature dependent spin crossover of iron(II) complexes Poster Board #1033 Room: Hall F-H	Gabrielle Guy Wren Adkins Zobia Rani Ann Thomas Katilyn Walsh Seth Friese Joshua Sokoloski
12:00PM - 02:00PM	3810657 - Recent insights into how metal ion dyshomeostasis disrupts dopamine α -hydroxylase activity Poster Board #1049 Room: Hall F-H	Zoë Semersky Annastassia Gallo
12:00PM - 02:00PM	3811427 - Synthesis and screening of N-heterocyclic carbene silver and gold complexes for antimicrobial properties Poster Board #1035 Room: Hall F-H	Madelyn Cohenour Sandra Geden Marisa Fuse Kyle Rohde Laurel Habgood
12:00PM - 02:00PM	3815497 - Synthesis and characterization of Fe(II) complexes exhibiting temperature dependent spin transitions Poster Board #1037 Room: Hall F-H	Zobia Rani Ann Thomas Wren Adkins Gabrielle Guy Katilyn Walsh Seth Friese Joshua Sokoloski
12:00PM - 02:00PM	3819667 - Luminescent and electrochemical investigation of water-soluble gold(I) complexes as potential biothiols sensor Poster Board #1045 Room: Hall F-H	SunJin Kim Fatima Madondo Michelle Rasmussen Mukunda Ghimire
12:00PM - 02:00PM	3819687 - Electrochemical driven hydrocarbon oxidation by a cytochrome P450 BM3 (Bacillus megaterium)/anthraquinone conjugate Poster Board #1039 Room: Hall F-H	Clara Dearden Elizabeth Kerman Deirdre Ellis Clare Madden Alexander To Andrew Udit Michael Hill

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12:00PM - 02:00PM	3822139 - Pyclyen macrocycle release from mesoporous silica as a drug carrier and impact on amyloid beta-peptide aggregation Poster Board #1002 Room: Hall F-H	Jeffery Coffey Kayla Green Caroline Crittall Youanna Ibrahim Christina Mantsorov
12:00PM - 02:00PM	3823399 - Crystal structure of tetrakis-?-3,5-diisopropylsalicylatobis-dimethylsulfoxidodicopper(II) and other copper complexes Poster Board #1041 Room: Hall F-H	Katelyn Martinez Daniel Shlian Rita Upmacis
12:00PM - 02:00PM	3824465 - H-bonding Interactions in heme a model compounds dissolved in low dielectric solvents Poster Board #1043 Room: Hall F-H	Kara Moulton Jose Cerda
12:00PM - 02:00PM	3824563 - Biophysical characterization of metal binding to de novo due ferri proteins Poster Board #1047 Room: Hall F-H	Ethan Clare Brittany Loh Olivia Peduzzi Alexander Paredes Amanda Reig Katherine Buettner
12:00PM - 02:00PM	3824812 - Towards new vanadium enzyme mimics Poster Board #1051 Room: Hall F-H	Oliver Pickering Audrey Moroz Cristin MacIntosh Brittany Loh Micaylah Bowers Katherine Buettner
12:00PM - 02:00PM	3824996 - Structure function relationships in artificial Ti and V mini-metalloenzymes Poster Board #1055 Room: Hall F-H	Micaylah Bowers Alexandra Bender Alexander Paredes Kathryn Cole Amanda Reig Katherine Buettner
12:00PM - 02:00PM	3825297 - Structure-function relationships in Zn- and Mn-bound DFsc proteins Poster Board #1053 Room: Hall F-H	Avraham Goldschmidt Daniel Leach Micaylah Bowers Alana Huynh Brittany Loh Katherine Buettner Amanda Reig
12:00PM - 02:00PM	3825452 - Characterization of DFsc phosphatase activity using 31P-NMR Poster Board #1057 Room: Hall F-H	Alexandra Bender Micaylah Bowers Ryan Walvoord Katherine Buettner Amanda Reig
12:00PM - 02:00PM	3825844 - Utilizing tyrosinase as a model enzyme to explore structure-function relationships within a research collaboration network Poster Board #1059 Room: Hall F-H	nicole staszak Kari Stone

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12:00PM - 02:00PM	3827116 - Spectroscopic and catalytic assessment of biogenic manganese oxides from <i>Pseudomonas putida</i> MnB1 Poster Board #1061 Room: Hall F-H	Lauren Formanski Kari Stone
12:00PM - 02:00PM	3828282 - Recombinant expression of a lanthanide binding protein lanmodulin to investigate its metal binding properties Poster Board #1000 Room: Hall F-H	Anthony Baudino Kari Stone
12:00PM - 02:00PM	3828989 - Co-intercalated zirconium phosphate nanoparticles with cisplatin and doxorubicin as a possible novel anticancer therapy treatment Poster Board #1004 Room: Hall F-H	Ambar Llanos De Jesus Adriana Velazquez Julissa González-Villegas Jorge L. Colon, Ph.D. Professor
12:00PM - 02:00PM	- Undergraduate Research at the Frontiers of Inorganic Chemistry: Solid State and Materials Chemistry Room: Hall F-H	Chip Nataro Marshall R. Metzgar Professor Meghan Porter
12:00PM - 02:00PM	3810780 - Metal-organic framework (MOF) materials as scaffolds for multifunctional drug delivery systems Poster Board #1006 Room: Hall F-H	Karrin Larson Tendai Gadzikwa Donovan Mafukidze
12:00PM - 02:00PM	3810853 - Towards compositional control of monodisperse high-entropy alloy nanoparticles Poster Board #1008 Room: Hall F-H	Maximilian McCoy Nabojit Kar Sara Skrabalak
12:00PM - 02:00PM	3814577 - Nanostructured mixed metal oxides for carbon capture Poster Board #1016 Room: Hall F-H	Sienna Gonzalez
12:00PM - 02:00PM	3817609 - Feasibility of $\text{Bi}_4\text{MO}_8\text{Cl}-\text{Bi}_2\text{LnO}_4\text{Cl}$ (M=Ta, Nb, V; Ln=Y, La, Gd) intergrowth formation Poster Board #1010 Room: Hall F-H	Emily Ward Nayana Christudas Beena Xun Zhan Sara Skrabalak
12:00PM - 02:00PM	3818910 - Synthesis and characterization of metal-organic frameworks using hydrazide-containing molecules Poster Board #1012 Room: Hall F-H	Adelaide Fanner Johanna Crane
12:00PM - 02:00PM	3819551 - Nanostructured high-entropy metal oxides for catalysis Poster Board #1014 Room: Hall F-H	Zek Kelly Elliot Brim Ryan Richards
12:00PM - 02:00PM	3820473 - Using metal-organic frameworks to improve water quality in Southwest Florida Poster Board #1020 Room: Hall F-H	Jessica Miceli Greg McManus
12:00PM - 02:00PM	3820478 - Utilizing flexible linkers for the synthesis of metal-organic frameworks Poster Board #1018 Room: Hall F-H	Damian Hernandez Greg McManus

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12:00PM - 02:00PM	3821184 - Investigation of ligand defects in UiO-66 on metal uptake Poster Board #1022 Room: Hall F-H	Taylor Bolen Abigail Edwards Kert Gibson Dr. Trevor A. Makal Van W. Daniel III Professor of Chemistry
12:00PM - 02:00PM	3822968 - Synthesis and characterization of tautomerizing electrolytes for non-aqueous redox flow batteries Poster Board #1024 Room: Hall F-H	Sydney Noell Abigail Houser Michael Drummond
12:00PM - 02:00PM	3825676 - Immobilization of chromophores on semiconductor surfaces for the hydrogen evolution reaction Poster Board #1026 Room: Hall F-H	Marissa Ho Caroline Margonis William McNamara
12:00PM - 02:00PM	3825751 - PtxMy/TiO ₂ (M = Pd, Cu) nanofiber photocatalysts in p-nitroaniline conversion Poster Board #1030 Room: Hall F-H	Taryn Moffett Keerthi Senevirathne
12:00PM - 02:00PM	3825789 - Incorporation of bianthryl and binaphthyl moieties in metal-organic frameworks: Investigation of aromatic bulk on crystallization and properties Poster Board #1028 Room: Hall F-H	Landon Elkins Dr. Trevor A. Makal Van W. Daniel III Professor of Chemistry
12:00PM - 02:00PM	3825902 - Synthesis and characterization of In ₂ O ₃ /TiO ₂ heterojunction photocatalysts Poster Board #1034 Room: Hall F-H	Nathaniel Carnegie Keerthi Senevirathne
12:00PM - 02:00PM	3825959 - Towards enabling enzyme-like catalysis through polymer-bound copper complexes Poster Board #1032 Room: Hall F-H	Abigail Ramirez Lily Truong Brenda Lu Lily Gordon Sayori Trejo Madalyn Radlauer Assistant Professor
12:00PM - 02:00PM	3828137 - Iron(II) metal-organic coordination polymer with open metal sites Poster Board #1036 Room: Hall F-H	Sean Korner Kareena Pansuria Bangbo Yan
12:00PM - 02:00PM	3828702 - Metal-organic coordination polymers constructed from complexes of 3d metal ions and photosensitizer ruthenium(II)-polypyridyl building blocks Poster Board #1038 Room: Hall F-H	Gwenith Wiley Jacob Ladwig Bangbo Yan
12:00PM - 02:00PM	3828845 - Modular approach for the immobilization of Ru(II) based oxygen evolution catalyst into a TiO ₂ polymer nanocomposite Poster Board #1040 Room: Hall F-H	Emily Delgado Christina Maldonado Caroline Nguyen Yosra Badiei
12:00PM - 02:00PM	- Undergraduate Research at the Frontiers of Inorganic Chemistry: Catalysis and Green Chemistry Room: Hall F-H	Chip Nataro Marshall R. Metzgar Professor Meghan Porter

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12:00PM - 02:00PM	3812775 - Green C-O bond hydrogenolysis of carbamates using D-glucose as alternative and renewable H ₂ donor Poster Board #1042 Room: Hall F-H	Kynzie Combs Logan Mayes Todsapon Thananatthanachon
12:00PM - 02:00PM	3812777 - Synthesis of water-soluble Ir-NHC catalysts for green C-O bond hydrogenolysis of carbamates using renewable glucose as H ₂ donor in water Poster Board #1044 Room: Hall F-H	Abi Wight Todsapon Thananatthanachon
12:00PM - 02:00PM	3818333 - Synthesis of a Zr/Co heterobimetallic complex and its reactive properties Poster Board #1046 Room: Hall F-H	Rachel Kumar Nathanael Hunter Christine Thomas
12:00PM - 02:00PM	3818471 - In search of the next generation of catalysts: Exploring Cu transmetalation for the synthesis of Ni-NHC complexes Poster Board #1050 Room: Hall F-H	Katelin Gary Meghan Richter Gina Diodati Ryan Meier
12:00PM - 02:00PM	3818685 - Development of Csp ² -Csp ² cross-nucleophile coupling through nickel-catalyzed oxidative coupling of Grignard reagents Poster Board #1048 Room: Hall F-H	Michaela Stangel Megan Mohadjerberomi
12:00PM - 02:00PM	3825788 - First row metal complexes for the hydrogen evolution reaction of artificial photosynthesis Poster Board #1052 Room: Hall F-H	Ryan Anderson Benjamin Travis William McNamara
12:00PM - 02:00PM	3826379 - First row transition metal complexes containing tetradentate sulfur ligands for catalytic proton reduction Poster Board #1054 Room: Hall F-H	Timothy Wells Ryan Anderson William McNamara
12:00PM - 02:00PM	3826533 - Ligand effects in molybdenum catalyzed oxidation of benzylic alcohols Poster Board #1056 Room: Hall F-H	Ivy Wang Alex John
12:00PM - 02:00PM	3827642 - Investigating reactivity of vanadyl salen complexes with inductive and electrostatic effects for catalytic reactions Room: Hall F-H	Hien Nguyen Nadia Leonard Jenny Yang
12:00PM - 02:00PM	- Undergraduate Research at the Frontiers of Inorganic Chemistry: Organometallic Chemistry Room: Hall F-H	Chip Nataro Marshall R. Metzgar Professor Meghan Porter
12:00PM - 02:00PM	3824629 - Synthesis of iron-acetonitrile and ruthenium-acetonitrile compounds for nitrile oxidation reactions Poster Board #1058 Room: Hall F-H	DaVarius Carter Christopher Turlington
12:00PM - 02:00PM	3824679 - Further studies of mono- and symmetric bis-alkynyl Co(III)(TIM) complexes Poster Board #1060 Room: Hall F-H	Kenneth Cox Leobardo Rodriguez Segura Tong Ren

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12:00PM - 02:00PM	3825777 - Base metal complexes for CO ₂ functionalization Poster Board #901 Room: Hall F-H	Alyssa Minnella Zachary Bacino Saimanish Dhulipala Abby O'Connor Associate Professor
12:00PM - 02:00PM	3826214 - Development of a polymer-supported NHC ligand for site-isolation of a ruthenium cross metathesis catalyst Poster Board #903 Room: Hall F-H	Stephanie Velasquez Tyeshia Sapp Mejgon Omar Madalyn Radlauer Assistant Professor
12:00PM - 02:00PM	3828250 - Synthesis, single crystal x-ray determination and reactivity of some zerovalent platinum-carbonyl-diphosphine complexes Poster Board #905 Room: Hall F-H	Kelly Rogers Serge Schreiner
12:00PM - 02:00PM	- Undergraduate Research at the Frontiers of Inorganic Chemistry: Inorganic Chemistry Room: Virtual Session	Chip Nataro Marshall R. Metzgar Professor Meghan Porter
12:00PM - 02:00PM	3816528 - Preparation and characterization of a NPK nutrient loaded biodegradable cellulose acetate electrospun nanofiber mat to be used as a slow-release fertilizer Room: Virtual Session	Manesha Fernando Imalka Munaweera Nilwala Kottegoda
12:00PM - 02:00PM	3822376 - Metal-organic cages for anion recognition Room: Virtual Session	Federico Tzunux Tzoc Edmundo Guzmán Percástegui
12:00PM - 02:00PM	- Electrochemistry: Room: Virtual Session	Amy Marschilok
12:00PM - 02:00PM	3811185 - Preparation of bimetallic metal-organic framework encapsulating bimetallic nanoparticles for water splitting applications Room: Virtual Session	Kholwud Aljadoa Dr. Asma A. Alothman
12:00PM - 02:00PM	3814992 - Defect formation and healing at grain boundaries in lead-halide perovskites Room: Virtual Session	Waldemar Kaiser Kashif Hussain Ajay Singh Edoardo Mosconi Dr. Asma A. Alothman Daniele Meggiolaro Alessio Gagliardi Filippo De Angelis
12:00PM - 02:00PM	3817225 - Singlet oxygen quenching by resveratrol dimers Room: Virtual Session	Rhemrose Sabio Matthias Selke Nidhi Lakshmanan
12:00PM - 02:00PM	3819637 - Withdrawn Room: Virtual Session	

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12:00PM - 02:00PM	- Organometallic Chemistry: Applications to Materials and Polymer Science Room: Virtual Session	Nora Radu
12:00PM - 02:00PM	3811177 - Synthesis and characterization of metal-doped MOF for dye degradation Room: Virtual Session	Naseebah Alhabib Dr. Asma A. Alothman
12:00PM - 02:00PM	3811181 - Kinetic analysis of isothermal decomposition of bimetallic MOFs before and after gamma-irradiation Room: Virtual Session	Khadraa Alqahtani Dr. Asma A. Alothman
12:00PM - 02:00PM	3811183 - Synthesis, characterization, and photocatalytic activity of bimetallic MOFs Room: Virtual Session	Seetah Alharbi Dr. Asma A. Alothman
12:00PM - 02:00PM	3812135 - "Liquid version" of lead halide perovskites Room: Virtual Session	Hang Gao
12:00PM - 02:00PM	- 2023 ACS Award in Inorganic Chemistry: Symposium in Honor of Jerry L. Atwood: Room: Virtual Session	David Atwood Gregory Robinson
12:00PM - 02:00PM	3828091 - Development of novel metal-based photosensitizers for photodynamic therapy Room: Virtual Session	Wesley McDonald Sherri McFarland Professor Ge Shi Gurleen Kaur Houston Cole Graduate Student Alisher Talgatov Abbas Vali Colin Cameron
12:00PM - 02:00PM	- 2023 ACS Award in Organometallic Chemistry: Symposium in Honor of Shannon S. Stahl: Room: Virtual Session	Jessica Hoover Dian Wang
12:00PM - 02:00PM	3816321 - Base-free synthesis of benchtop stable Ru(III)-NHC complexes from Ruthenium(III) chloride trihydrate and their use as precursors for Ru(II)-NHC complexes Room: Virtual Session	NIDA SHAHID Navdeep Srivastava Rahul Singh Amrendra Singh
12:00PM - 02:00PM	- 2023 ACS Award in the Chemistry of Materials: Symposium in Honor of Reshef Tenne: Room: Virtual Session	Maya Bar Sadan Mauricio Terrones
12:00PM - 02:00PM	3828590 - Enhancement of recycled poly(ethylene terephthalate) properties by using novel polystyrene-free chain extenders Room: Virtual Session	Mohamed Abdelwahab Dr. Muhammad Rabnawaz , Ph.D. Associate Professor Ajmir Khan
12:00PM - 02:00PM	- Undergraduate Research at the Frontiers of Inorganic Chemistry: Coordination Chemistry Room: Hall F-H	Chip Nataro Marshall R. Metzgar Professor

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12:00PM - 02:00PM	3811165 - Square planar platinum chloride and arylacetylide complexes supported by a tridentate ketoiminate characterized spectroscopically and crystallographically Poster Board #1142 Room: Hall F-H	Ashley Fricker Jake Bailey Joseph Fritsch
12:00PM - 02:00PM	3813624 - Structural and electronic contributions to the excited-state properties of bis[tris(pyrazolyl)methane] complexes of chromium(III). Poster Board #1144 Room: Hall F-H	Zhenyu Han Trisha Russell Benjamin Lovaasen
12:00PM - 02:00PM	3816786 - Magnetite dissolution in etidronic acid: A tradeoff of speed and yield Poster Board #1146 Room: Hall F-H	Jackson King Demi Brown Sarah Hill Jayden Tope Paul Smith
12:00PM - 02:00PM	3817703 - The reactivity of [M(PP)Cl ₂] (M = Ni or Pt; PP = 1,1'-bis(phosphino)metallocene) with Na[BArF ₂₄] (BArF ₂₄ = tetrakis(3,5-bis(trifluoromethyl)phenyl)borate)) and reactions of the subsequent products Poster Board #1150 Room: Hall F-H	Kelsey Wong Isabella Lowdermilk Chip Nataro Marshall R. Metzgar Professor
12:00PM - 02:00PM	3818523 - A comparative examination of complexes containing 3,4,5-trifluorophenyl- and 3,5-bis(trifluoromethyl)phenyltris(pyrazol-1-yl)borate ligands Poster Board #1148 Room: Hall F-H	Charley Roe Jasmine Stephenson Victor Young, Jr. Paul Fischer
12:00PM - 02:00PM	3818657 - Preparation of [Pd(PP)(PR ₃)Cl][BArF ₂₄] (PP = 1,1'-bis(phosphino)metallocene); BArF ₂₄ = tetrakis(3,5-bis(trifluoromethyl)phenyl)borate)) compounds by the reaction of monodentate phosphines and [Pd(PP)(?-Cl)] ₂ [BArF ₂₄] ₂ Poster Board #1152 Room: Hall F-H	Ian Leiby Virginia Parparcen Natasha Ding Klara Kunz sadie wolfarth Chip Nataro Marshall R. Metzgar Professor
12:00PM - 02:00PM	3819299 - Synthesis and characterization of Mn(II) polypyridyl complexes for photochemical applications Poster Board #1025 Room: Hall F-H	Caelan Frazier MiaFlora Tucci Dr. Daniela Arias-Rotondo
12:00PM - 02:00PM	3820554 - New paramagnetic, luminescent transition metal dipyrin complexes of Mn(II) and Cu(II) Poster Board #1158 Room: Hall F-H	Kevin Hoffman Austin Scharf
12:00PM - 02:00PM	3820937 - Photophysical properties of rhenium(I) tricarbonyl complexes with pH-sensitive amino-phenanthroline ligands Poster Board #1156 Room: Hall F-H	Ashlyn Cook Kerry Breno
12:00PM - 02:00PM	3820987 - Synthesis and reactivity of iron tricarbonyl complexes containing redox-active ligands Poster Board #1001 Room: Hall F-H	Lauren Peck Parker Keller Maria Carroll

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12:00PM - 02:00PM	3822294 - Progress toward the synthesis of paramagnetic, luminescent dipyrrin complexes with rotationally-restricted substituents Poster Board #1021 Room: Hall F-H	Allison Chang Austin Scharf
12:00PM - 02:00PM	3822334 - Reactivity and selectivity of intermediate manganese species in the oxidation of mandelic acid by permanganate and manganate Poster Board #1009 Room: Hall F-H	Manveer Singh Tanden Hovey Surendra Mahapatro
12:00PM - 02:00PM	3822738 - Redox properties of a bis(amido) bis(phosphine) iron(II) complex Poster Board #1160 Room: Hall F-H	Maria Seith Jeremiah E Stevens Ph.D. Candidate Gillian Hatzis Christine Thomas
12:00PM - 02:00PM	3823303 - An analysis of manganese tricarbonyl compounds as photoCORMs Poster Board #1003 Room: Hall F-H	Anthony Gross Greg Felton
12:00PM - 02:00PM	3823326 - Synthesis and characterization of rhenium tricarbonyl diamine compounds Poster Board #1005 Room: Hall F-H	Caitie Lockard Greg Felton
12:00PM - 02:00PM	3823340 - Diaminonaphthalene ligand platforms in carbon dioxide reduction electrocatalysts containing manganese Poster Board #1007 Room: Hall F-H	Alexandra Faragher Greg Felton
12:00PM - 02:00PM	3825116 - Microwave synthesis and characterization of lanthanide(III)-polybenzimidazole coordination compounds Poster Board #1011 Room: Hall F-H	Ciersten Rose Dr. Rodney A Tigaa , he/him/his Assistant Professor of Chemistry
12:00PM - 02:00PM	3825845 - Synthesis, characterization, and coordination chemistry of new [NNN]-dianionic pincer ligands containing triisopropylarylsulfonamide groups Poster Board #1015 Room: Hall F-H	Alexis Luglio Angelica Bolon Emily A Podd Yaa Serwaa Awuah Joselyn Dzieminski Abby O'Connor Associate Professor
12:00PM - 02:00PM	3826031 - Synthetic, structural, and photophysical studies of heteroleptic trinuclear copper(I) complexes of phosphinopyridyl and pyrazolate ligands Poster Board #1017 Room: Hall F-H	Gianna Parthree Madeline Gingrich Ryan Mitch Mukunda Ghimire
12:00PM - 02:00PM	3826048 - Synthesis of luminescent lanthanide ion complexes for arsenic detection Poster Board #1019 Room: Hall F-H	Katherine Harper Suyee Win Joyce Li Mai Hoang Patrick Barber

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12:00PM - 02:00PM	3826790 - Steric and electronic effects of variable meso-substitution on the luminescence of bis(adamantyl)dipyrrin transition metal complexes Poster Board #1031 Room: Hall F-H	William Dougherty Madeleine Bloomer Austin Scharf
12:00PM - 02:00PM	3826799 - Modification of ligand capping structure within a series of CMPO-based f-element extraction agents Poster Board #1023 Room: Hall F-H	Bailey Lake Victoria Pacanowski Eric Werner
12:00PM - 02:00PM	3827277 - Measuring activation enthalpies and entropies of Fe(III)-thiolate intermediates Room: Hall F-H	Michelle Amaechi Levi Ekanger
12:00PM - 02:00PM	3827435 - Novel alkaline earth metal tetraarylborate pyrazolates Poster Board #1027 Room: Hall F-H	Donyell Logan Ashley Clements Joshua Woods Paul Hager Catherine Lavin D.G. Allis Miriam Gillett-Kunnath Karin Ruhlandt-Senge
12:00PM - 02:00PM	3827499 - Synthesis and characterization of Mn(II) and Zn(II) complexes with Schiff base ligands Poster Board #1029 Room: Hall F-H	Shayon Brown Maxwell Rhames Ann Johnston Isabella Pellegroni Deepa Jha Dr. Daniela Arias-Rotondo
12:00PM - 02:00PM	- Bioinorganic Chemistry from Cell to Organism: Room: Virtual Session	Dr Stephen A Koch Professor of Chemistry
12:00PM - 02:00PM	3821388 - Mixed L-aminoacidato-bipyridine copper complexes: A comparative of docking studies and their implications as potential metallodrugs for COVID-19 Room: Virtual Session	Sergio Rodriguez Diego Contreras Lisset De los santos Amalia Garcia Garcia Brenda Sánchez Gaytán Francisco Melendez Bustamante María Eugenia Castro Walter Filgueira de Azevedo Jr Enrique González Vergara
12:00PM - 02:00PM	3826288 - Great adventures of ACS 2022 Room: Virtual Session	Arisha Ishtiaq
12:00PM - 02:00PM	- Medicinal Applications of Bioinorganic Chemistry: Room: Virtual Session	Dr Stephen A Koch Professor of Chemistry
12:00PM - 02:00PM	3823845 - Importance of heparin as a medicine Room: Virtual Session	Lesly Carmona Mahmood Karimiabdolmaleki
12:00PM - 02:00PM	- Sustainable Energy and Environment: Environmental Remediation and Monitoring Room: Virtual Session	Kenneth Takeuchi

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12:00PM - 02:00PM	3822823 - Preparation of medicinal soap using the leaf extracts of Punica granatum and Simorouba glauca Room: Virtual Session	Stella Antony
12:00PM - 02:00PM	- Nanoscience: Synthesis, Characterization and Properties of Nanomaterials and Their Hierarchical Structures: Room: Virtual Session	Brian Trewyn
12:00PM - 02:00PM	3809290 - Synthesis and characterization of monometallic, bimetallic and trimetallic MOFs Room: Virtual Session	Norah Alharbi Dr. Asma A. Alothman
12:00PM - 02:00PM	3823360 - Highly porous and stable nanostructured sorbents aluminum porphyrin metal-organic frameworks: Facile synthesis, characterization, chemical, and thermal stability Room: Virtual Session	Shaheed Ullah Georgia Banga-Bothy Dr. Alexander Samokhvalov Associate Professor
12:00PM - 02:00PM	- Nanoscience: Applications of Nanomaterials: Room: Virtual Session	Brian Trewyn
12:00PM - 02:00PM	3804450 - Enhancing the photoelectrochemical activity of a TiO ₂ thin film with an inverse opal-like structure by a dip coating process Room: Virtual Session	Kuralay Rustembekkyzy Dr. Timur Atabaev
12:00PM - 02:00PM	3821990 - Green synthesis of GQDs and their photocatalytic and antibacterial applications Room: Virtual Session	Kanak Singh Prayas Singh Samta Manori Kuldeep Kumar Raina Ravi Kumar Shukla
12:00PM - 02:00PM	3822505 - Impact of oxide-nanoparticles on improving foamed fluid characteristics for fracturing applications Room: Virtual Session	Abeer Alarawi
12:00PM - 02:00PM	- Coordination Chemistry: Ligand Design, Synthesis, and Reactivity: Room: Virtual Session	Anna Svetlanova-Larsen
12:00PM - 02:00PM	3804024 - Synthesis and characterization of dipyrromethanes: Potential biomimetic for examining the coordination chemistry of bilirubin Room: Virtual Session	Sadhna Mathura
12:00PM - 02:00PM	3825487 - Metallodrug photosensitizers for light-based cancer therapy Room: Virtual Session	Alisher Talgatov Houston Cole Graduate Student Wesley McDonald Ge Shi Gurleen Kaur Dr. Elamparuthi Ramasamy , Ph.D. Research Scientist Abbas Vali Colin Cameron Sherri McFarland Professor

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12:00PM - 02:00PM	3827953 - Withdrawn Room: Virtual Session	
02:00PM - 05:15PM	- Solid-State Inorganic Chemistry: Catalysis and Sustainability Room: Room 206	Reece Johnson Viktor V Poltavets , Ph.D. Assistant Professor Belvin Thomas
02:00PM - 02:20PM	3813956 - Upgrading the electrocatalytic activity of cobalt borates for oxygen evolution reaction with main group metal Room: Room 206	Belvin Thomas Chaoyun Tang Maricely Hernández Tewodros Asefa
02:00PM - 06:00PM	- 2023 M. Frederick Hawthorne Award in Main Group Inorganic Chemistry: Symposium in Honor of Christopher Cummins: Room: Room 205	Brandi Cossairt Joshua Figueroa Francois Gabbai
02:00PM - 02:20PM	3818457 - High capacity, high energy density, and long-lasting organic energy storage materials Room: Room 205	Mircea Dinca Tianyang Chen Harish Banda
02:00PM - 05:20PM	- 2023 F. Albert Cotton Award in Synthetic Inorganic Chemistry: Symposium in Honor of May Nyman: Room: Room 208	Ana Arteaga Carles Bo Clément Falaise
02:00PM - 02:05PM	- Introductory Remarks Room: Room 208	
02:00PM - 06:00PM	- 2023 ACS Award for Distinguished Service in the Advancement of Inorganic Chemistry: Symposium in Honor of Alison Butler: Room: Room 236	Andrew Borovik R Britt Vincent Pecoraro
02:00PM - 02:25PM	3822939 - Role of metal-oxido complexes in biological C–H bond activation Room: Room 236	Andrew Borovik
02:00PM - 04:40PM	- Organometallic Chemistry: Earth-Abundant Metal Catalysis Room: Room 237	Addison Desnoyer Todd Hudnall Daniel Mindiola Professor Jamie Neely
02:00PM - 02:20PM	3813697 - Vanadium complexes for olefin and alkyne metathesis Room: Room 237	Shirley Hernandez
02:00PM - 05:40PM	- Remembering the Legacy of Synthetic Aza Macrocycles: Room: Room 209	Kristin Bowman-James Professor Alexander Kolchinski Thomas Meade Rebecca Roesner Kenneth Takeuchi
02:00PM - 02:10PM	- Introductory Remarks Room: Room 209	

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02:00PM - 06:00PM	- 2023 ACS Award in Inorganic Chemistry: Symposium in Honor of Jerry L. Atwood: Room: Room 212	David Atwood Gregory Robinson
02:00PM - 02:10PM	- Introductory Remarks Room: Room 212	
02:00PM - 06:00PM	- 2023 ACS Award in Organometallic Chemistry: Symposium in Honor of Shannon S. Stahl: Room: Sagamore Ballroom 3	Jessica Hoover Dian Wang
02:00PM - 02:25PM	3812149 - New strategies in oxidative alkene functionalization Room: Sagamore Ballroom 3	Zachary K. Wickens Assistant Professor
02:00PM - 05:30PM	- 2023 ACS Award in the Chemistry of Materials: Symposium in Honor of Reshef Tenne: Room: Room 238	Maya Bar Sadan Sara Skrabalak Mauricio Terrones
02:00PM - 02:30PM	3826521 - Defects in 2D transition metal chalcogenides: The influence of Reshef Tenne Room: Room 238	Mauricio Terrones
02:05PM - 02:25PM	3816024 - Small clusters and high-density patterning Room: Room 208	Douglas Keszler
02:10PM - 02:40PM	3821657 - Synthetic control of alpha-manganese oxide physiochemical properties: Impact on functional electrochemistry Room: Room 209	Kenneth Takeuchi Amy Marschilok Esther Takeuchi
02:10PM - 02:35PM	3807886 - "B9" class of synthetic dithiols for the removal of soft heavy metals and As(III) from water Room: Room 212	David Atwood Shashika Bandara Michael Moore John Quinn Brian Wilson Olivia Turner
02:20PM - 02:40PM	3815525 - Designing titania metal-organic framework photocatalysts using the principles of reticular chemistry Room: Room 206	Jacob Bryant Kyle Langlois Fernando Uribe-Romo
02:20PM - 02:40PM	3813935 - Allosteric effects guide reactivity patterns on atomically precise nanoclusters Room: Room 205	Dr. Alexandra Velian Assistant Professor
02:20PM - 02:40PM	3816401 - Ti catalyzed 1,2-diamination of Alkynes using 1,1-disubstituted hydrazines Room: Room 237	Partha Sarathi Karmakar Yukun Cheng Daniel Huh Ian Tonks
02:25PM - 02:45PM	3827878 - Modeling the electronic structure of actinides: From molecules to reticular frameworks Room: Room 208	Laura Gagliardi

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02:25PM - 02:50PM	3812921 - Using hydroxamic acids to build metallacrowns: Applications to lanthanide luminescent imaging Room: Room 236	Vincent Pecoraro Timothee Lathion svetlana eliseeva Stephane Petoud
02:25PM - 02:50PM	3813998 - Nickel-catalyzed radical reactions for the modification of biomolecules Room: Sagamore Ballroom 3	Tianning Diao
02:30PM - 03:00PM	3817596 - Atomic structure and optoelectronic properties studies of low dimensional inorganic nanomaterials via TEM Room: Room 238	Raul Arenal
02:35PM - 03:00PM	3822303 - Building molecules in crystals: Green chemistry to sustainable materials research Room: Room 212	Len MacGillivray
02:40PM - 03:00PM	3822255 - Photocatalytic biomass valorization and organic transformation on semiconductors Room: Room 206	Yujie Sun
02:40PM - 03:00PM	3820952 - Taking a closer look at the structure, surface chemistry, and conversion of atomically precise semiconductor clusters Room: Room 205	Soren Sandeno Hunter Ripberger Brandi Cossairt
02:40PM - 03:00PM	3823610 - Catalyst design and selectivity in Ti-catalyzed alkyne carboamination reactions Room: Room 237	Michael Harris Ian Tonks
02:40PM - 03:10PM	3821652 - Multifunctional materials achieved through reduction-displacement reactions Room: Room 209	Esther Takeuchi Kenneth Takeuchi Amy Marschilok
02:45PM - 03:05PM	3808286 - Macrophase separations in dilute aqueous solutions of molecular clusters with the gel and coacervate phases Room: Room 208	Tianbo Liu
02:50PM - 03:15PM	3822869 - Engineered biomolecular catalysts for carbon dioxide reduction Room: Room 236	Prof. Kara L. Bren Professor of Chemistry Alison Salamatian Jose Alvarez-Hernandez Jiwon Han
02:50PM - 03:15PM	3820998 - Surface-like tricopper cluster chemistry Room: Sagamore Ballroom 3	Andrew Beamer Joshua Buss
03:00PM - 03:20PM	3818434 - Withdrawn Room: Room 206	

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03:00PM - 03:20PM	3818678 - Achievement of enhanced rate and selectivity in the rhodium-catalyzed homologation of methanol through phosphorus ligand design Room: Room 205	Dr. Heather A. Spinney Senior Research Scientist Thomas Clark Sucheewin Chotchatchawankul Jason Macdonald Clark Cummins Clark Landis
03:00PM - 03:20PM	3826666 - Tracking the excited state of Ni photocatalysts with transient L-edge absorption spectroscopy Room: Room 237	Rachel Wallick Sagnik Chakrabarti Jack Burke Richard Gnewkow Jubyeong Chae Thomas Rossi Mattis Fondell Ioanna Mantouvalou Liviu Mirica Josh Vura-Weis Renske van der Veen
03:00PM - 03:25PM	3822352 - Withdrawn Room: Room 212	
03:00PM - 03:30PM	3822737 - Challenges and new directions for atomic-resolution structural and spectroscopic studies of 2D TMDCs in the TEM Room: Room 238	Lothar Houben
03:00PM - 07:00PM	- Nanoscience: Molecular Frameworks and Cages: Room: Virtual Session	Hao Lyu Tony Pham Rebecca Siegelman Xuemin Yin Yingjie ZHAO
03:00PM - 03:20PM	3816584 - Large-sized single crystals of two-dimensional polymer frameworks Room: Virtual Session	Hui Liu Yingjie ZHAO
03:05PM - 03:25PM	3818403 - Molecular routes to ultra-small (1-3 nm) nanoparticles of important metal oxides Room: Room 208	George Christou
03:10PM - 03:40PM	3827621 - Preparation and study of rhenium chalcogenide clusters Room: Room 209	Lisa Szczepura
03:15PM - 03:40PM	3825490 - Electronic relaxation data and the importance of excited state mixing in determining the properties of compound I Room: Room 236	Michael Green
03:15PM - 03:40PM	3818002 - Copper-catalyzed alkene boracarboxylation reactions Room: Sagamore Ballroom 3	Brian Popp
03:20PM - 03:35PM	- Intermission Room: Room 206	

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03:20PM - 03:40PM	3826731 - Power of polarization: Controlling bond activation and catalysis using interfacial charge separation Room: Room 205	Yogesh Surendranath
03:20PM - 03:40PM	- Intermission Room: Room 237	
03:20PM - 03:40PM	3819093 - Covalent organic frameworks for carbon dioxide capture from air Room: Virtual Session	Hao Lyu Haozhe Li Nikita Hanikel Kaiyu Wang Omar Yaghi
03:25PM - 03:45PM	3827055 - Recent developments in cerium-oxo cluster chemistry Room: Room 208	Karah Knope Anamar Blanes Diaz Jennifer Wacker
03:25PM - 03:50PM	3822670 - Effect of alkali metal cation complexing agents on antibacterial activity Room: Room 212	George Gokel
03:30PM - 04:00PM	- Intermission Room: Room 238	
03:35PM - 03:55PM	3824929 - Withdrawn Room: Room 206	
03:40PM - 04:00PM	3814035 - Redox switchable catalysis Room: Room 205	Prof. Paula L. Diaconescu
03:40PM - 04:05PM	3826593 - Influence of the neighboring metal center and the interdomain interface on redox properties of cytochrome c4 Room: Room 236	Ekaterina Pletneva
03:40PM - 04:00PM	3826783 - Investigation of ligand modification in the synthesis and reactivity of iron azametallacyclobutenes Room: Room 237	Celia McGhiey Professor Jamie Neely
03:40PM - 04:00PM	- Intermission Room: Room 209	
03:40PM - 04:05PM	3819467 - Oxidative photochemical transformations Room: Sagamore Ballroom 3	Tehshik Yoon
03:40PM - 04:00PM	3828982 - Withdrawn Room: Virtual Session	
03:45PM - 03:55PM	- Intermission Room: Room 208	
03:50PM - 04:10PM	- Intermission Room: Room 212	

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03:55PM - 04:15PM	3827961 - Silica supported niobium sites tailored for hydrocarbon conversion Room: Room 206	Reece Johnson Keith Searles
03:55PM - 04:15PM	3818227 - Polyoxometalates and clusters: An intimate story Room: Room 208	Emmanuel Cadot Clément Falaise Mohamed Haouas
04:00PM - 04:20PM	- Intermission Room: Room 205	
04:00PM - 04:20PM	3847922 - New methods for iron-catalyzed C–N and C–C bond formation with terminal alkynes Room: Room 237	Professor Jamie Neely
04:00PM - 04:30PM	3821663 - Investigation of dynamic processes within batteries: Application of operando methods Room: Room 209	Amy Marschilok Kenneth Takeuchi Esther Takeuchi
04:00PM - 04:30PM	3827742 - Controlling kinetics to make metastable compounds with targeted structures Room: Room 238	David Johnson
04:00PM - 04:20PM	3810601 - Structural design of 3D graphene for high-performance electromagnetic-interference shielding Room: Virtual Session	Xuemin Yin Liyuan Han
04:05PM - 04:20PM	- Intermission Room: Room 236	
04:05PM - 04:20PM	- Intermission Room: Sagamore Ballroom 3	
04:10PM - 04:35PM	3825675 - Tuning thermal expansion within mixed co-crystals by controlling molecular pedal motion Room: Room 212	Ryan Groeneman
04:15PM - 04:35PM	3827804 - Withdrawn Room: Room 206	
04:15PM - 04:35PM	3835252 - Journey into the speciation and nucleation of molecular metal oxides Room: Room 208	Dr. Pere Miro Assistant Professor
04:20PM - 04:40PM	3818895 - Low-valent titanium complexes supported by a monoanionic pentadentate ligand Room: Room 205	Warren Piers Alejandro Cuellar De Lucio Laurent Maron Professor Benjamin Gelfand Wen Zhou
04:20PM - 04:45PM	3821331 - Forging non-canonical heme-protein cross-links: Peroxide-driven maturation of heme P460 cofactors Room: Room 236	Kyle Lancaster Melissa Bollmeyer Rachael Coleman Sean Majer

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04:20PM - 04:40PM	3824867 - Biomimetic small molecule copper catalysts for the oxidation of alkanes Room: Room 237	Alexander Olivelli Levi Wolff Megan Hwang Sean Parkin Aron Huckaba
04:20PM - 04:45PM	3813614 - Tunable and predictable chemocatalyzed site- and enantioselective C–H functionalizations Room: Sagamore Ballroom 3	Jennifer Schomaker
04:20PM - 04:40PM	3823901 - Wafer scale growth of noble metal chalcogenides for high performances photodetectors and transistors Room: Virtual Session	Dr. Jinbo Pang Professor
04:30PM - 05:00PM	3825407 - Self-healing, improved efficiency solid state rechargeable Li/I ₂ based battery Room: Room 209	Chavis Stackhouse Alyson Abraham Shan Yan Lei Wang Nahian Sadique Gurpreet Singh Amy Marschilok Esther Takeuchi Kenneth Takeuchi
04:30PM - 05:00PM	3809432 - Ferri- and antiferromagnetically ordered, cation adaptive structures based upon tetraalkylammonium perchyanomanganate(II) Room: Room 238	Joel Miller Peter Stephens
04:35PM - 04:55PM	3817612 - Molten-flux synthesis of Bi ₄ NbO ₈ Cl-Bi ₂ GdO ₄ Cl intergrowth for photocatalytic water splitting Room: Room 206	Nayana Christudas Beena Kaustav Chatterjee PhD Candidate Roberto dos Reis Jaye Harada Xun Zhan James Rondinelli Vinayak Dravid Sara Skrabalak
04:35PM - 04:55PM	3828961 - Metal oxide coordination networks bridged with lanthanide ions Room: Room 208	Prof. Alina Schimpf Linfeng Chen
04:35PM - 05:00PM	3811080 - Self-assembly in materials and therapeutics Room: Room 212	Harshita Kumari
04:40PM - 05:00PM	3821056 - Chemistry of tetradentate chelate complexes of first row transition metals Room: Room 205	Annie K. Kayser Alex D'Arpino Peter Wolczanski Thomas Cundari Samantha MacMillan

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04:40PM - 05:00PM	3813734 - Exceptionally high C ₂ H ₂ adsorption affinity in robust ultramicroporous metal-organic frameworks Room: Virtual Session	Tony Pham Katherine Forrest Yun-Lei Peng Zhenjie Zhang Brian Space
04:45PM - 05:10PM	3812097 - New strategies for uncaging small molecule bioregulators at physiological sites Room: Room 236	Peter Ford
04:45PM - 05:10PM	3813029 - Mechanistic insights into copper-catalyzed oxidative decarboxylative coupling reactions Room: Sagamore Ballroom 3	Jessica Hoover
04:55PM - 05:15PM	3822178 - Molecular complexes of semiconductor fragments for solar-light reduction of CO ₂ by water Room: Room 208	Ira Weinstock
05:00PM - 05:20PM	3816785 - New methods for modeling high oxidation state catalysis Room: Room 205	Aaron Odom Rashmi Jena Seokjoo Lee Zhilin Hou
05:00PM - 05:40PM	- Concluding Remarks Room: Room 209	
05:00PM - 05:25PM	3826131 - New hydrophobic MOF tailor-made for humid CO ₂ capture Room: Room 212	Ramanathan Vaidhyanathan Himan Singh Arvind Rajendran Wenqian Xu Eric Borguet Bhubesh Balasubramaniam Raviraju Vysyaraju Venkata Swaroopa Datta Piyush Singh
05:00PM - 05:30PM	3812797 - WS ₂ & MoS ₂ from 3D to 1D structures: Curvature and chirality induced properties of nanotubes Room: Room 238	Alla Zak
05:00PM - 05:20PM	3802063 - Cu-ATC vs. Cu-BTC: Comparing the H ₂ adsorption mechanism through experiment, molecular simulation, and inelastic neutron scattering studies Room: Virtual Session	Tony Pham Katherine Forrest Zheng Niu Brant Tudor Juergen Eckert Dr. Shengqian Ma Professor and Welch Chair in Chemistry Brian Space
05:10PM - 05:35PM	3824764 - Kinetics, mechanism, and structure-activity relationship of sorbitol cyclodehydration to isosorbide catalyzed by sulfated zirconia Room: Room 236	Jack Hopper Kitty Ma James Rawlings Peter Ford Mahdi Abu-Omar

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05:10PM - 05:35PM	3827802 - Palladium-catalyzed alkene amination Room: Sagamore Ballroom 3	Kami Hull
05:15PM - 05:20PM	- Concluding Remarks Room: Room 208	
05:20PM - 05:40PM	3822458 - Understanding proton- and hydrogen-atom uptake at vanadium oxide cluster surfaces Room: Room 205	Alex Fertig Eric Schreiber Shannon Cooney William Brennessel Ellen Matson
05:20PM - 05:40PM	3817373 - Sieving hydrogen isotopes in liquid phase through large scale monolayer graphene repaired by interfacial polymerization Room: Virtual Session	Zhang Xiangrui Sheng Zhang
05:25PM - 05:50PM	3828800 - Role of solvent coordination on the redox cycle of nickel diethyldithiocarbamate Room: Room 212	Rezoanul Islam Byron Farnum
05:35PM - 06:00PM	3814884 - Withdrawn Room: Room 236	
05:35PM - 06:00PM	3828362 - Oxidative fragment coupling to form C-C, C-O, C-N, and C-S bonds Room: Sagamore Ballroom 3	Marisa Kozlowski
05:40PM - 06:00PM	3817561 - Methods for manipulating synthetic iron-sulfur clusters Room: Room 205	Daniel Suess
05:40PM - 06:00PM	3821363 - Synthesis and characterization of biicosahedral Au ₂₅ nanoclusters doped with magnetic cobalt atoms Room: Virtual Session	Desmond Smith Benjamin Raufman Dariush Aligholizadeh Mary Devadas
05:50PM - 06:00PM	- Concluding Remarks Room: Room 212	
06:00PM - 06:20PM	3824187 - NH ₂ -Schiff base-Ag complex immobilized on magnetic Fe ₃ O ₄ nanoparticles as efficient and recyclable nanocatalyst for oxidation of benzyl alcohol to benzaldehyde Room: Virtual Session	Megha . VEERANNA YEMPALLY HARMINDER KAUR
06:20PM - 06:40PM	3807670 - Sustainable one-pot synthesis of titanium dioxide-bassanite nanohybrid material and surface functionalization Room: Virtual Session	Tam Nguyen Dong-Kyun Seo Margeret Madsen
06:40PM - 07:00PM	3811871 - Characterization of carbon black nanoparticles (CBN) obtained from olive: Application for the determination of veterinary drugs in cow's milk by disposable pipette microextraction (DPX) Room: Virtual Session	Fernando Ordoñez Trochez Fredy Rodríguez Rivas Yanina Baca García Evelyn Ordoñez López Henry Daniel Ponce-Rodríguez