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Appointments

08/2013–03/2020	Gabilan Assistant Professor, Department of Chemistry, University of Southern California (USC)
03/2020–present	Associate Professor, Department of Chemistry, USC

Education and Training

2011–2013	NSF Center for Chemical Innovation (CCI) Postdoctoral Fellow; California Institute of Technology (Caltech)
2007–2011	Ph.D. Inorganic Chemistry; Massachusetts Institute of Technology (MIT)
2003–2006	B.S. Chemistry and Biology; Caltech

Research experience

2011–2013	*NSF CCI Postdoctoral Fellow, Caltech – Advisor:* ***Prof. Harry B. Gray***
2007–2011	*Graduate Research Assistant, MIT – Advisor:* ***Prof. Richard R. Schrock***
2006–2007	*Research Assistant, Caltech – Advisor:* ***Prof. Brian M. Stoltz***
2006	*Summer Intern, Medicinal Chemistry, Pfizer, La Jolla, Ca*
2003–2006	*Undergraduate Research Assistant, Caltech – Advisor:* ***Prof. John E. Bercaw***
2002–2003	*Undergraduate Research Assistant, University of Bucharest, Romania – Advisor:* ***Prof. Marius Andruh***

Honors, Fellowships, and Awards

- Harry Gray Award for Creative Work in Inorganic Chemistry by a Young Investigator 2021
- Alfred P. Sloan Research Fellowship in Chemistry 2019
- Rising Stars Award, 43th International Conference on Coordination Chemistry, Japan 2018
- RSC *Chemical Communications* Emerging Investigator 2017
- National Science Foundation (NSF) CAREER Award 2016
- Zumberge Individual Award, USC 2014
- Gabilan Assistant Professorship, USC 2013
- NSF Center for Chemical Innovation Postdoctoral Fellowship 2011–2013
- Morse Travel Grant, MIT 2009
- Bruker/MIT poster prize, Bruker/MIT Symposium 2009
- Summer Undergraduate Research Fellowship, Caltech 2004–2005
- Merit scholarship for academic achievement, University of Bucharest 2002–2003
- Several prizes, Romanian National Chemistry Olympiad 1997–2001

Synergistic Activities

2017–present	Executive Committee member for the Nanoporous Materials Genome Center phase II
2018-present	Co-organizer of the following symposia: • Through the Lens of Inorganic Chemistry: Understanding Heterogeneous Processes in Energy Conversion and Storage – 257th ACS National Meeting, Orlando, FL, March 2019; Co-organizers: Prof. Jenny Yang, Prof. V. Sara Thoi

- Electrochemical Society Satellite Meeting, Glasgow, UK, July 2019; Co-organizers: Prof. Sanjeev Mukerjee, Prof. Keith Stevenson, Prof. Vincent Artero

2016–present Discussion leader for the following conferences:

- Inorganic Chemistry GRC, Biddeford, ME, June 2018
- 3rd International Conference on Proton Coupled Electron Transfer (PCET 2018); Blowing Rock, NC, June 2018
- MOF-2016, Long Beach, CA, September 2016
- Organometallic Chemistry GRC, Newport, RI, July 2016

Publications (* corresponding author; advised postdoctoral scholar[§], graduate[‡] or undergraduate[UG] student)

Independent peer reviewed journal articles from USC – Manuscripts in press or published

[37] Chapovetsky, A.[‡]; Liu, J. J.[§]; Welborn, M.; Luna, J. M.[UG]; Haiges, R.; Miller III, T. F.*; Marinescu, S. C.* "Electronically Modified Cobalt Aminopyridine Complexes Reveal an Orthogonal Axis for Catalytic Optimization for CO_2 Reduction", *Inorg. Chem., ASAP*, DOI: 10.1021/acs.inorgchem.0c02086.

[36] Clough, A. J.[‡]; Orchanian, N. M.[‡]; Skelton, J. M.; Neer, A. J.; Howard, S. A.; Downes, C. A.[‡]; Piper, L. F. J.; Walsh, A.; Melot, B. C.*; Marinescu, S. C.* "Room Temperature Metallic Conductivity in a Metal–Organic Framework Induced by Oxidation", *J. Am. Chem. Soc.* **2019**, *141,* 16323–16330.

[35] Orchanian, N. M.[‡]; Hong, L. E.[UG]; Marinescu, S. C.* "Immobilized Molecular Wires on Carbon Cloth Electrodes facilitate CO_2 Electrolysis", *ACS Catal*. **2019**, *9,* 9393–9397.

[34] Hellman, A. N.[‡]; Haiges, R.; Marinescu, S. C.* "Rhenium Bipyridine Catalysts with Hydrogen Bonding Pendant Amines for CO_2 Reduction", *Dalton Trans.,* **2019***, 48,* 14251–14255.

[33] Liu, J. J.[‡]; Marinescu, S. C.* "Harnessing the Oxidative Power of Monooxygenases through Electrochemistry", *ACS Cent. Sci.* **2019**, *5,* 577–579. (First Reactions).

[32] Orchanian, N. M.[‡]; Hong, L. E.[UG]; Skrainka, J. A.[UG]; Esterhuizen, J. A.[UG]; Popov, D. A.[‡]; Marinescu, S. C.* "Surface-Immobilized Conjugated Polymers Incorporating Rhenium Bipyridine Motifs for Electrocatalytic and Photocatalytic CO_2 Reduction", *ACS Appl*. *Energy Mater.* **2019**, *2,* 110–123.

- **New Chemistry to Advance the Quest for Sustainable Solar Fuels Special Issue**

[31] Popov, D. A.[‡]; Luna, J. M.[UG]; Orchanian, N. M.[‡]; Haiges, R.; Downes, C. A.[‡]; Marinescu, S. C.* "Synthesis of a Bipyridine-Containing Covalent Organic Framework Bearing Rhenium (I) Tricarbonyl Moieties for CO_2 Reduction", *Dalton Trans.* **2018**, *47,* 17450–17460.

[30] Johnson, E. M.[‡]; Haiges, R.; Marinescu, S. C.* "Covalent Organic Frameworks Composed of Rhenium Bipyridine and Metal Porphyrins: Designing Heterobimetallic Frameworks with Two Distinct Metal Sites", *ACS Appl*. *Mater. Interfaces* **2018**, *10,* 37919–37927.

[29] Chapovetsky, A.[‡†]; Welborn, M.[†]; Luna, J. M.[UG]; Haiges, R.; Miller III, T. F.*; Marinescu, S. C.* "Pendant Hydrogen-Bond Donors in Cobalt Catalysts Independently Enhance CO_2 Reduction", *ACS Cent. Sci.* **2018**, *4,* 397–404.
[†] equal contribution

- Highlighted by Chabolla, S. and Yang, J. "For CO_2 Reduction. Hydrogen-Bond Donors Do the Trick", *ACS Cent. Sci.* **2018**, *4,* 315–317.
- Categorized as a "***Highly Cited Paper***" by Web of Science™, receiving enough citations to place it in the top 1% of its academic field based on a highly cited threshold for the field and publication year.

[28] Downes, C. A.[‡]; Clough, A. J.[‡]; Chen, K.[‡]; Yoo, J. W.[UG]; Marinescu, S. C.* "Evaluation of the H_2 Evolving Activity of Benezenehexathiolate Coordination Frameworks and the Effect of Film Thickness on H_2 Production", *ACS Appl*. *Mater. Interfaces* **2018**, *10*, 1719–1727.

[27] Downes, C. A.[‡]; Marinescu, S. C.* "Understanding Variability in the Hydrogen Evolution Activity of a Cobalt Anthracenetetrathiolate Coordination Polymer", *ACS Catal*. **2017**, *7*, 8605–8612.

[26] Downes, C. A.[‡]; Marinescu, S. C.* "Electrocatalytic Metal-Organic Frameworks for Energy Applications", *ChemSusChem* **2017***, 10*, 4374–4392.

- Categorized as one of the journal's top downloaded recent papers.

[25] Clough, A. J.[‡]; Skelton, J. M.; Downes, C. A.[‡]; De la Rosa, A. A.[UG]; Yoo, J. W.[UG]; Walsh, A.; Melot, B. C.*; Marinescu, S. C.* "Metallic Conductivity in a Two-Dimensional Cobalt Dithiolene Metal–Organic Framework" *J. Am. Chem. Soc.* **2017**, *139*, 10863–10867.

- **Highlighted by USC News**

[24] Downes, C. A.[‡]; Yoo, J. W.[UG]; Orchanian, N. M.[‡]; Haiges, R.; Marinescu, S. C.* "H_2 evolution by a Cobalt Selenolate Electrocatalyst and Related Mechanistic Studies" *Chem. Commun.* **2017**, *53*, 7306–7309.

- **Emerging Investigators Special Issue**

[23] Downes, C. A.[‡]; Marinescu, S. C.* "Bioinspired Metal Selenolate Polymers with Tunable Mechanistic Pathways for Efficient H_2 Evolution" *ACS Catal*. **2017**, *7*, 848–854.

[22] Chapovetsky, A.[‡]; Haiges, R.; Marinescu, S. C.* "Synthesis and Characterization of a Tetranickel Complex Supported by a Dithiolate Framework with Pendant Ether Moieties" *Polyhedron* **2017**, 123, 9–13.

[21] Downes, C. A.[‡]; Marinescu, S. C.* "One Dimensional Metal Dithiolene (M = Ni, Fe, Zn) Coordination Polymers for Hydrogen Evolution Reaction" *Dalton Trans.* **2016**, *45*, 19311–19321.

[20] Chapovetsky, A.[‡]; Do, T. H.[UG]; Haiges, R.; Takase, M. K.; Marinescu, S. C.* "Proton Assisted Reduction of CO_2 by Cobalt Aminopyridine Macrocycles" *J. Am. Chem. Soc.* **2016**, *138*, 5765–5768.

- Highlighted in an ***ACS Select Virtual Issue***, "Women in Inorganic Chemistry: Synthetic Chemistry Addressing Challenges in Energy and the Environment", *Inorg. Chem.* **2018**, *57*, 3656–3658.
- Highlighted in an ***ACS Select Virtual Issue***, "The Way Forward in Molecular Electrocatalysis", by Dey, A.; *Inorg. Chem.* **2016**, 55, 10831–10834

[19] Downes, C. A.[‡]; Marinescu, S. C.* "Efficient Electrochemical and Photoelectrochemical H_2 Production from Water by a Cobalt Dithiolene One Dimensional Metal–Organic Surface" *J. Am. Chem. Soc.* **2015**, *137*, 13740–13743.

[18] Clough, A. J.[‡]; Yoo, J. W.[UG]; Mecklenburg, M. H.; Marinescu, S. C.* "Two-Dimensional Metal–Organic Surfaces for Efficient Hydrogen Evolution from Water" *J. Am. Chem. Soc.* **2015**, *137*, 118–121.

- Categorized as a "***Highly Cited Paper***" by Web of Science™, receiving enough citations to place it in the top 1% of its academic field based on a highly cited threshold for the field and publication year.

Pre-independent peer reviewed journal articles

[17] McKone, J. R.; Marinescu, S. C.; Brunschwig, B. S.; Winkler, J. R.; Gray, H. B.* "Earth-abundant hydrogen evolution electrocatalysts" *Chem. Sci.* **2014**, *5*, 865–878.

- Categorized as a "***Highly Cited Paper***" by Web of Science™, receiving enough citations to place it in the top 1% of its academic field based on a highly cited threshold for the field and publication year.

[16] Keith, J. A.; Behenna, D. C.; Sherden, N.; Mohr, J. T.; Ma, S.; Marinescu, S. C.; Nielsen, R. J.; Oxgaard, J.; Stoltz, B. M.*; Goddard, W. A., III* "The Reaction Mechanism of the Enantioselective Tsuji Allylation: Inner-Sphere and Outer-Sphere Pathways, Internal Rearrangements, and Asymmetric C–C Bond Formation" *J. Am. Chem. Soc.* **2012**, *134*, 19050–19060.

[15] Marinescu, S. C.; Bracher, P. J.; Winkler, J. R.; Gray, H. B.* "Solar Fuels" *AIP Conf. Proc.* **2013**, *1519*, 64–67.

[14] Marinescu, S. C.; Winkler, J. R.; Gray, H. B.* "Molecular Mechanisms of Cobalt Catalyzed Hydrogen Evolution" *Proc. Natl. Acad. Sci. USA* **2012**, *109*, 15127–15131.

- Featured in *Science* (Yeston, J. S. "Protons coming and going" *Science* **2012**, *338*, 17), C&E News (Jacoby, M. "Pinning down a Cobalt-Catalyzed Hydrogen Evolution" *C&E News* **2012**, *90*, 37, 8) and a Caltech press release entitled "Showing the Way to Improved Water-Splitting Catalysts".

[13] Marinescu, S. C.; Ng, V. W. L.; Lichtscheidl, A. G.; Schrock, R. R.*; Müller, P.; Takase, M. K. "Syntheses of Variations of Stereogenic-at-Metal Imido Alkylidene Complexes of Molybdenum" *Organometallics* **2012**, *31*, 6336–6343.

[12] Behenna, D. C.; Mohr, J. T.; Sherden, N. H.; Marinescu, S. C.; Harned, A. M.; Tani, K.; Seto, M.; Ma, S.; Novák, Z.; Krout, M. R.; McFadden, R. M.; Roizen, J. L.; Enquist, J. A., Jr.; White, D. E.; Levine, S. R.; Petrova, K. V.; Iwashita, A.; Virgil, S. C.; Stoltz, B. M.* "Enantioselective Decarboxylative Alkylation Reactions: Catalyst Development, Substrate Scope, and Mechanistic Studies" *Chem. Eur. J.* **2011**, *17*, 14199–14223.

[11] Marinescu, S. C.; Levine, D. S.; Zhao, Y.; Schrock, R. R.*; Hoveyda, A. H. "Isolation of Pure Disubstituted *E* Olefins through Mo-Catalyzed *Z*-Selective Ethenolysis of Stereoisomeric Mixtures" *J. Am. Chem. Soc.* **2011**, *133*, 11512–11514.

[10] Marinescu, S. C.; Schrock, R. R.*; Müller, P.; Takase, M. K.; Hoveyda, A. H. "Room-Temperature *Z*-Selective Homocoupling of α-Olefins by Tungsten Catalysts" *Organometallics* **2011**, *30*, 1780–1782.

[9] Marinescu, S. C.; King, A. J.; Schrock, R. R.*; Singh, R.; Müller, P.; Takase, M. K. "Simple Molybdenum(IV) Olefin Complexes of the Type Mo(NR)(X)(Y)(olefin)" *Organometallics* **2010**, *29*, 6816–6828.

[8] Schrock, R. R.*; Jiang, A. J.; Marinescu, S. C.; Simpson, J. H.; Müller, P. "Fundamental Studies of Molybdenum and Tungsten Methylidene and Metallacyclobutane Complexes" *Organometallics* **2010**, *29*, 5241–5251.

[7] Marinescu, S. C.; Schrock, R. R.*; Müller, P.; Hoveyda, A. H. "Ethenolysis Reactions Catalyzed by Imido Alkylidene Monopyrrolide (MAP) Complexes of Molybdenum" *J. Am. Chem. Soc.* **2009**, *131*, 10840–10841.

[6] Rendon, N.; Berthoud, R.; Blanc, F.; Gajan, D.; Maishal, T.; Basset, J.-M.; Copéret, C.*; Lesage, A.; Emsley, L.; Marinescu, S. C.; Singh, R.; Schrock, R. R.* "Well-Defined Silica-Supported Mo-Alkylidene Catalyst Precursors containing one OR Substituent: Methods of Preparation and Structure-Reactivity Relationship in Alkene Metathesis" *Chem. Eur. J.* **2009**, *15*, 5083–5089.

[5] Marinescu, S. C.; Schrock, R. R.*; Li, B.; Hoveyda, A. H. "Inversion of Configuration at the Metal in Diastereomeric Imido Alkylidene Monoaryloxide Monopyrrolide Complexes of Molybdenum" *J. Am. Chem. Soc.* **2009**, *131*, 58–59.

[4] Marinescu, S. C.; Singh, R.; Hock, A. S.; Wampler, K. M.; Schrock, R. R.*; Müller, P. "Syntheses and Structures of Molybdenum Imido Alkylidene Pyrrolide and Indolide Complexes" *Organometallics* **2008**, *27*, 6570–6578.

[3] Marinescu, S. C.; Toyoki, N.; Mohr, J. T.; Stoltz, B. M.* "Homogeneous Pd-Catalyzed Enantioselective Decarboxylative Protonation" *Org. Lett.* **2008***, 10,* 1039–1042.

[2] Keith, J. A.; Behenna, D. C.; Mohr, J. T.; Ma, S.; Marinescu, S. C.; Oxgaard, J.; Stoltz, B. M.*; Goddard, W. A., III* "The Inner-Sphere Process in the Enantioselective Tsuji Allylation Reaction with (S)-*t*-Bu-phosphinooxazoline Ligands" *J. Am. Chem. Soc*. **2007**, *129*, 11876–11877.

[1] Marinescu, S. C.; Agapie, T.; Day, M. W.; Bercaw, J. E.* "Group 3 Dialkyl Complexes with Tetradentate (L, L, N, O; L = N, O, S) Monoanionic Ligands – Synthesis and Reactivity" *Organometallics* **2007**, *26*, 1178–1190.

Patents

[7] Marinescu, S. C.; Orchanian, N. M. "Immobilized Molecular Wires on Carbon Cloth Electrodes", provisional patent, serial number 62/894,173; filed 08/30/2019.

[6] Marinescu, S. C.; Orchanian, N. M. "Electrocatalytic Syngas Generation with a Cobalt Phosphinothiolate Complex", provisional patent, serial number 62/874,896; filed 07/16/2019.

[5] Marinescu, S. C.; Downes, C. A. "Bioinspired Metal Selenolate Polymers with Tunable Mechanistic Pathways for Efficient H_2 Evolution" provisional patent, USC 0172 PRV; filed 11/17/2016.

[4] Marinescu, S. C.; Chapovetsky, A. "Proton Assisted Reduction of CO_2 by Cobalt Aminopyridine Macrocycles" provisional patent, USC 0151 PRV; filed 04/01/2016.

[3] Marinescu, S. C.; Downes, C. A.; Clough, A. J. "1D- and 2D-Metal-Organic Frameworks for Efficient Hydrogen Evolution from Water" provisional patent, USC 0136 PRV; filed 10/10/2014.

[2] Marinescu, S. C.; Clough, A. J. "2D Metal-Organic Surfaces (MOS) for Efficient Water Reduction" provisional patent, CIT-6775-P, filed 01/16/2014.

[1] Schrock, R. R.; Marinescu, S. C.; Hoveyda, A. H. "Catalysts and Processes for the Formation of Terminal Olefins by Ethenolysis" **2009** U. S. Patent Application M0925.70258WO00.

Media

[6] "Solar energy research takes center stage", by Rhonda Hillbery, USC Dornsife News, May 13, 2019, https://dornsife.usc.edu/news/stories/3016/usc-dornsife-student-researches-solar-energy/

[5] "Childhood interest in chemistry leads to studies of large-scale energy solutions", by Rhonda Hillbery, USC Dornsife News, March 21, 2019, https://dornsife.usc.edu/news/stories/2976/love-of-chemistry/

[4] "The Better Batteries That Will Power Your Phone – and a Green Future/A new framework for Storing Energy" by Jennifer Marcus, USC Trojan Family Magazine, Spring 2019, https://news.usc.edu/trojan-family/battery-technology-usc-green-sustainable-energy/

[3] "A new miniature solution for storing renewable energy", by Ian Chaffee, USC News, October 13, 2017, https://news.usc.edu/129876/a-new-miniature-solution-for-storing-renewable-energy/

[2] "Superlative Scientists", by Susan Bell, USC Dornsife News, February 6, 2014, https://dornsife.usc.edu/news/stories/1625/superlative-scientists/

[1] "Showing the Way to Improved Water-Splitting Catalysts", by Kimm Fesenmaier, Caltech News, September 3, 2012, https://www.caltech.edu/about/news/showing-way-improved-water-splitting-catalysts-23615

Invited presentations

[73] **Keynote Speaker**, "Materials for Energy Sustainability"; 10th International conference on Advanced Materials & Nanotechnology (AMN-10), Rotorua, New Zealand, February 2021

[72] Otago Future Fuels conference, University of Otago, Dunedin, New Zealand, February 2021.

[71] Symposium #171 entitled "New challenges in energy chemistry"; PacificChem 2020, Hawaii, December 2020 – canceled due to COVID-19

[70] Symposium entitled "Functional Conductive Metal Organic Frameworks"; NanoGe Conference, Barcelona, Spain, October 2020 – canceled due to COVID-19

[69] U.S.-German Workshop on "Artificial Photosynthesis"; Berlin, Germany, June 2020 – held via Zoom due to COVID-19

[68] International Conference of Porphyrin and Pthalocyanine (ICCP-11), Buffalo, NY, July 2020 – canceled due to COVID-19

[67] Chemistry departmental seminar, Stanford University, Palo Alto, CA, April 2020 – canceled due to COVID-19

[66] Chemistry departmental seminar, Princeton University, Princeton, NJ, April 2020 – canceled due to COVID-19

[65] Chemistry departmental seminar, Boston University, Boston, MA, January 2020

[64] Chemistry departmental seminar, California State University, Long Beach, CA, October 2019
[63] Chemistry departmental seminar, University of British Columbia, Vancouver, Canada, September 2019
[62] "Efficient CO_2 Reduction by Bioinspired Cobalt Aminopyridine Complexes"; ACS National Meeting, San Diego, CA, August 2019
[61] "CO_2 Reduction by Immobilized Rhenium Bipyridine Moieties"; Division of Analytical Chemistry; ACS National Meeting, San Diego, CA, August 2019
[60] "Conductive Metal-Organic Frameworks for Electrocatalytic H_2 Evolution"; ACS National Meeting, San Diego, CA, August 2019
[59] Organometallic Chemistry Gordon Research Conference (GRC), Newport, RI, July 2019
[58] "Conductive Metal Dithiolene Frameworks for Electrocatalytic H_2 Production"; Canadian Society for Chemistry Meeting, Quebec, Canada, June 2019
[57] Chemistry departmental seminar, University of Washington, Seattle, WA, May 2019
[56] Chemistry departmental seminar, Columbia University, New York, NY, May 2019
[55] Chemistry departmental seminar, Cornell University, Ithaca, NY, May 2019
[54] Chemistry departmental seminar, University of Rochester, Rochester, NY, May 2019
[53] Chemistry departmental seminar, Caltech, Pasadena, CA, May 2019
[52] Chemistry departmental seminar, UCLA, Los Angeles, CA, May 2019
[51] Chemistry departmental seminar, University of California Berkeley, Berkeley, CA, April 2019
[50] "Conductive Metal Dithiolene Frameworks for Electrocatalytic H_2 Production"; ACS National Meeting, Orlando, FL, March 2019
[49] "Bioinspired Coordination Complexes and Polymers for Energy Applications"; ACS National Meeting, Orlando, FL, March 2019
[48] "Cobalt Catalysts with Pendant Hydrogen-Bond Donor for Electrocatalytic CO_2 Reduction"; ACS National Meeting, Orlando, FL, March 2019
[47] Chemistry departmental seminar, University of California Irvine, Irvine, CA, February 2019
[46] Chemistry departmental seminar, Harvey Mudd College, Claremont, CA, December 2018
[45] Chemistry departmental seminar, University of Texas at Austin, Austin, TX, November 2018
[44] Chemistry departmental seminar, Texas A&M University, College Station, TX, November 2018
[43] Chemistry departmental seminar, University of Houston, Houston, TX, November 2018
[42] Chemistry departmental seminar, MIT, Cambridge, MA, November 2018
[41] Chemistry departmental seminar, North Carolina State University, Raleigh, NC, October 2018
[40] Chemistry departmental seminar, UNC Chapel Hill, Chapel Hill, NC, October 2018
[39] Chemistry departmental seminar, Yale University, New Haven, CT, October 2018
[38] Chemistry departmental seminar, University of Pennsylvania, Philadelphia, PA, September 2018
[37] Chemistry departmental seminar, John Hopkins University, Baltimore, MD, September 2018
[36] "Conductive Metal-Organic Frameworks (MOFs) for Electrocatalytic Applications"; 256th ACS National Meeting, Boston, MA, August 2018
[35] Center for Chemical Innovation Capstone Meeting, Ventura, CA, July 2018
[34] Renewable Energy: Solar Fuels GRC (poster talk), Ventura, CA, January 2018
[33] Chemistry departmental seminar, University of California, Santa Barbara, CA, October 2017
[32] Chemistry departmental seminar, Colorado School of Mines, Golden, CO, September 2017
[31] National Renewable Energy Laboratory (NREL), Golden, CO, September 2017
[30] Chemistry departmental seminar, University of Notre Dame, Notre Dame, IN, August 2017
[29] "Metal Dithiolene Frameworks with Tunable Physical and Chemical Properties"; 254th ACS National Meeting, Washington, DC, August 2017
[28] 2nd International Solar Fuels, San Diego, CA, July 2017
[27] "One and two dimensional cobalt dithiolene frameworks for artificial photosynthesis"; 253th ACS National Meeting, San Francisco, CA, April 2017
[26] "H_2 Evolution by Metal Chalcogenide Coordination Polymers, Highly Active Molecular Models of [NiFe] Hydrogenases"; 253th ACS National Meeting, San Francisco, CA, April 2017
[25] "Proton-Assisted Reduction of CO_2 by Cobalt Aminopyridine Complexes"; 253th ACS National Meeting, San Francisco, CA, April 2017
[24] Sandia National Laboratory, Livermore, CA, March 2017

[23] Chemistry departmental seminar; UC Davis, Davis, CA, March 2017
[22] Inorganic Reaction Mechanisms GRC (poster talk), Galveston, TX, March 2017
[21] 2016 Nanoporous Materials Genome Center, University of Minnesota, Minneapolis, MN, October 2016
[20] MOF-2016, Long Beach, CA, September 2016
[19] Université Paris Diderot, Paris, France, July 2016
[18] 42th International Conference on Coordination Chemistry, Brest, France, July 2016
[17] Inorganic Chemistry GRC (poster talk), Biddeford, ME, June 2016
[16] Stauffer Symposium, USC, Los Angeles, CA, April 2016
[15] Electrochemistry GRC (poster talk), Ventura, CA, January 2016
[14] Chemistry departmental seminar, California State University, Los Angeles, Los Angeles, CA, October 2015
[13] Chemistry departmental seminar, California State University, Long Beach, CA, December 2013
[12] Center for Chemical Innovation (CCI) Annual Retreat, Huntington Beach, CA, January 2013
[11] Chemistry departmental seminar, Harvard University, Boston, MA, January 2013
[10] Chemistry departmental seminar, University of Southern California, Los Angeles, CA, January 2013
[9] Chemistry departmental seminar, UCLA, Los Angeles, CA, January 2013
[8] Chemistry departmental seminar, University of Washington, Seattle, Seattle, WA, January 2013
[7] Chemistry departmental seminar, Princeton University, Priceton, NJ, January 2013
[6] Chemistry departmental seminar, Yale University, New Haven, CT, December 2012
[5] Chemistry departmental seminar, University of California, Riverside, Riverside, CA, December 2012
[4] Chemistry departmental seminar, University of California, San Diego, San Diego, CA, November 2012
[3] CCI Annual Retreat, Huntington Beach, CA, January 2012
[2] Bruker-MIT Symposium, Boston, MA, January 2011
[1] Chemistry departmental seminar, Caltech, Pasadena, CA, September 2010

PI's and All-hands Meetings

[5] 2020 Nanoporous Materials Genome Center Annual All-hands Meeting, Virtual Meeting, October 2020
[4] 2019 Nanoporous Materials Genome Center Annual All-hands Meeting, University of Minnesota, Minneapolis, MN, September 2019
[3] DOE-BES PI meeting, Catalysis Science program, July 2019
[2] 2018 Nanoporous Materials Genome Center Annual All-hands Meeting, University of Minnesota, Minneapolis, MN, September 2018
[1] 2017 Nanoporous Materials Genome Center Annual All-hands Meeting, University of Minnesota, Minneapolis, MN, October 2017

Selected Service to the Community

Executive Committee member for the Nanoporous Materials Genome Center phase II (2017-); Discussion Leader at 4 conferences; Presider at 5 American Chemistry Society Meetings; Co-organizer of two symposia; Referee for 5 funding agencies, 13 American Chemistry Society journals, and 12 other journals; Reviewer panelist for the *National Science Foundation* (2017); Founder of the Women In Chemistry Mentoring program at USC (2013-).