

Gary F. Moore
Assistant Professor
School of Molecular Sciences, Arizona State University

Professional Preparation

The Evergreen State College	Olympia, WA	Chemistry	BS, 2004
Arizona State University	Tempe, AZ	Chemistry & Biochemistry	PhD, 2009
Yale University	New Haven, CT	Chemistry	Postdoc, 2009-2011

Appointments

2014-	Assistant Professor, Arizona State University
2011-2014	Principal Investigator and Staff Scientist, Berkeley Lab
2009-2011	Camille and Henry Dreyfus Foundation Postdoctoral Fellow, Yale University
2006-2009	ARCS Foundation Graduate Research Assistant, Arizona State University
2004-2009	NSF IGERT Graduate Research Assistant, Arizona State University
2003-2004	NSF REU Undergraduate Research Assistant, The Evergreen State College

Publications

MOST CLOSELY RELATED PUBLICATIONS

1. “Expanding the Redox Range of Surface-Immobilized Metallocomplexes using Molecular Interfaces” B. L. Wadsworth, D. Khusnutdinova, J. M. Urbine, A. Reyes, G. F. Moore, *ACS Appl. Mater. Interfaces*. **2019**, doi.org/10.1021/acsami.9b15286.
2. “The Interplay Between Light flux, Quantum Efficiency, and Turnover Frequency in Molecular-modified Photoelectrosynthetic Assemblies” B. L. Wadsworth, A. M. Beiler, D. Khusnutdinova, E. A. Reyes Cruz, G. F. Moore, *J. Am. Chem. Soc.* **2019**, *141*, 15932-15941.
3. “Electrocatalytic Properties of Binuclear Cu(II) Fused Porphyrins for Hydrogen Evolution” D. Khusnutdinova, B. L. Wadsworth, M. Flores, A. M. Beiler, E. A. Reyes Cruz, Y. Zenkov, G. F. Moore, *ACS Catal.* **2018**, *8*, 9888–9898.
4. “Polymeric Coatings for Applications in Electrocatalytic and Photoelectrosynthetic Fuel Production” B. L. Wadsworth, D. Khusnutdinova, G. F. Moore, *J. Mater. Chem. A*. **2018** *6*, 21654–21665.
5. “Pathways to Electrochemical Solar-Hydrogen Technologies” S. Ardo, D. F. Rivas, M. Modetino, V. S. Greiving, F. Abdi, E. A. Llado, V. Artero, K. Ayers, C. Battaglia, J-P. Becker, D. Bederak, A. Berger, F. Buda, E. Chinello, B. Dam, V. D. Palma, T. Edvinsson, K. Fujii, H. Gardeniers, H. Geerlings, M. Hashemi, S. Haussener, F. Houle, J. Huskens, B. James, K. Konrad, A. Kudo, P. P. Kunturu, D. Lohse, B. Mei, E. Miller, G. F. Moore, J. Muller, K. Orchard, R. Post, T. Rosser, F. Saadi, J-F. Schüttauf, B. Seger, S. Sheehan, J. Spurgeon, M. Tang, R. van de Krol, P. Vesborg, P. Westerik, *Energy Environ. Sci.* **2018**, *11*, 2768-2783.

OTHER SIGNIFICANT PUBLICATIONS

1. Metalloporphyrin-modified Semiconductors for Solar Fuel Production” Diana Khusnutdinova, Anna M. Beiler, Brian L. Wadsworth, Samuel I. Jacob, and Gary F. Moore, *Chem. Science*, **2017**, *8*, 253-259.
2. “Electrocatalytic and Optical Properties of Cobaloxime Catalysts Immobilized at a Surface-Grafted Polymer Interface” Brian L. Wadsworth, Anna M. Beiler, Diana Khusnutdinova, Samuel I. Jacob, and Gary F. Moore, *ACS Catal.* **2017**, *6*, 8048-8057.

3. "Solar Hydrogen Production Using Molecular Catalysts Immobilized on Gallium Phosphide (111)A and (111)B Polymer-Modified Photocathodes" Anna M. Beiler, Diana Khusnutdinova, Samuel I. Jacob, and Gary F. Moore, *Appl. Matter. Interfaces* **2016**, *8*,10038–10048.
4. "Photofunctional Construct That Interfaces Molecular Cobalt-Based Catalysts for H₂ Production to a Visible-Light-Absorbing Semiconductor" Alexandra Krawicz, J. Yang, E. Anzenberg, J. Yano, I. D. Sharp, and G. F. Moore, *J. Am. Chem. Soc.* **2013**, *135*, 11861–11868.
5. "Energy and Environment Policy Case for a Global Project on Artificial Photosynthesis," Thomas. A. Faunce, Wolfgang. Lubitz, A. W. (Bill) Rutherford, Peidong Yang, Daniel G. Nocera, Tom A. Moore, Duncan H. Gregory, Shunichi Fukuzumi, Kyung Byung Yoon, Fraser A. Armstrong, Michael R. Wasielewski and Stenbjorn Styring, *Energy Environ. Sci.* **2013**, *6*, 695–61.

Synergistic Activities

1. Co-organized the 29th *Winter Inter-American Photochemical Society Conference*, which brought together leading scientists in all areas of the photochemical sciences, from North and South America **(2020)**
2. Session chair and organizer of the *2019 Gordon Research Conference on Photosynthesis Power Hour™ Session* on transforming the culture of science by raising awareness of the challenges women and underrepresented minorities face in science Moore NSF Biosketch DRAFT 1.12.2020_GFM **2019)**
3. Discussion moderator and session chair at the *Doing Research in Indian County Conference*, which brought together ~100 guests, including students, faculty, and leaders affiliated with local tribal communities, to discuss strategies for promoting the integration of students, research, and workforce training with, for, and by tribal members **(2018)**
4. Initiated and host the *Running on Sun Internship (ROSI)* program at Arizona State University, a National Science Foundation funded project providing internships for developing scientists through the Phoenix Preparatory Academy, which is composed almost entirely of underserved groups **(2017-current)**
5. Worked with the Tempe Center for the Arts and Arizona artist Jose Benavides on a project regarding bioinspired research and the use of art to convey scientific concepts to the general public, including an opening night art display hosted by the Tempe Center for the Arts **(2017)**