IDENTIFYING INFORMATION:

NAME: Moore, Gary F.

ORCID iD: https://orcid.org/0000-0003-3369-9308

POSITION TITLE: Associate Professor

PRIMARY ORGANIZATION AND LOCATION: Arizona State University, Tempe, Arizona, United States

Professional Preparation:

ORGANIZATION AND LOCATION	DEGREE (if applicable)	RECEIPT DATE	FIELD OF STUDY
Yale University, New Haven, Connecticut, United States	Postdoctoral Fellow	07/2009 - 06/2011	Chemistry
Arizona State University, Tempe, Arizona, United States	PHD	05/2009	Chemistry & Biochemistry
The Evergreen State College, Olympia, Washington, United States	BS	05/2004	Chemistry

Appointments and Positions

2020 - present Associate Professor, Arizona State University, Tempe, Arizona, United States
2014 - 2020 Assistant Professor, Arizona State University, Tempe, Arizona, United States

Products

Products Most Closely Related to the Proposed Project

1. Nishiori D, Hensleigh LK, Nguyen NP, Peterson I, Moore GF. Wavelength-Resolving Catalytic Turnover Frequencies and Identifying Alternate Proton Donors in Solar-Fuel-Forming Reactions. ACS Catal. 2025; 15(8):6361-6371.
2. Nishiori D, Menzel JP, Armada N, Reyes Cruz EA, Nannenga BL, Batista VS, Moore GF. Breaking a Molecular Scaling Relationship Using an Iron-Iron Fused Porphyrin Electrocatalyst for Oxygen Reduction. J Am Chem Soc. 2024 May 1;146(17):11622-11633. PubMed PMID: 38639470.
3. Daiki Nishiori, Brian L. Wadsworth, Gary F. Moore. Parallels between enzyme catalysis, electrocatalysis, and photoelectrosynthesis. Chem Catalysis. 2021 October. DOI: 10.1016/j.checat.2021.09.008
4. Edgar A. Reyes Cruz, Daiki Nishiori, Brian L. Wadsworth, Diana Khusnutdinova, Timothy Karcher, Gautier Landrot, Benedikt Lassalle-Kaiser, Gary F. Moore. Six-Electron Chemistry of a Binuclear Fe(III) Fused Porphyrin. ChemElectroChem. 2021 October. DOI: 10.1002/celc.202100550
5. Diana Khusnutdinova, Brian L. Wadsworth, Marco Flores, Anna M. Beiler, Edgar A. Reyes Cruz, Yegor Zenkov, Gary F. Moore. Electrocatalytic Properties of Binuclear Cu(II) Fused Porphyrins for Hydrogen Evolution. ACS Catalysis. 2018 October; 8(10):9888--9898. Available

from: https://doi.org/10.1021%2Facscatal.8b01776 DOI: 10.1021/acscatal.8b01776

Other Significant Products, Whether or Not Related to the Proposed Project

1. Nghi P. Nguyen, Brian L. Wadsworth, Daiki Nishiori, Edgar A. Reyes Cruz, Gary F. Moore. Understanding and Controlling the Performance-Limiting Steps of Catalyst-Modified Semiconductors. The Journal of Physical Chemistry Letters. 2021 January; 12(1):199--203. Available from: https://doi.org/10.1021%2Facs.jpclett.0c02386 DOI: 10.1021/acs.jpclett.0c02386
2. Wadsworth B, Nguyen N, Nishiori D, Beiler A, Moore G. Addressing the Origin of Photocurrents and Fuel Production Activities in Catalyst-Modified Semiconductor Electrodes. ACS Applied Energy Materials. 2020 June 29; 3(8):7512-7519. Available from: https://pubs.acs.org/doi/10.1021/acsaem.0c00919 DOI: 10.1021/acsaem.0c00919
3. Brian L. Wadsworth, Anna M. Beiler, Diana Khusnutdinova, Edgar A. Reyes Cruz, Gary F. Moore. Interplay between Light Flux, Quantum Efficiency, and Turnover Frequency in Molecular-Modified Photoelectrosynthetic Assemblies. Journal of the American Chemical Society. 2019 October; 141(40):15932--15941. Available from: https://doi.org/10.1021%2Fjacs.9b07295 DOI: 10.1021/jacs.9b07295
4. Reyes Cruz EA, Nishiori D, Wadsworth BL, Nguyen NP, Hensleigh LK, Khusnutdinova D, Beiler AM, Moore GF. Molecular-Modified Photocathodes for Applications in Artificial Photosynthesis and Solar-to-Fuel Technologies. Chem Rev. 2022 Nov 9;122(21):16051-16109. PubMed PMID: 36173689.
5. Wadsworth B, Beiler A, Khusnutdinova D, Jacob S, Moore G. Electrocatalytic and Optical Properties of Cobaloxime Catalysts Immobilized at a Surface-Grafted Polymer Interface. ACS Catal. 2016; 6(12):8048–8057.

Certification:

I certify that the information provided is current, accurate, and complete. This includes, but is not limited to, information related to current, pending, and other support (both foreign and domestic) as defined in 42 U.S.C. § 6605.

In accordance with Section 10632 of the CHIPS and Science Act of 2022 (42 U.S.C. § 19232), each individual identified as a senior/key person must certify that they are not a party to a malign foreign talent recruitment program.

Research Security Training Requirement for Federal Award Personnel: In accordance with Section 10634 of the CHIPS and Science Act of 2022 (42 U.S.C. § 19234), each individual identified as a senior/key person must certify that they have completed the requisite research security training that meets the requirements specified in Item 2 of Important Notice No. 149 within 12 months prior to proposal submission.

Certified by Moore, Gary F. in SciENcv on 2025-12-10 13:27:25