

DIANA KHUSNUTDINOVA

School of Molecular Sciences, Arizona State University, Tempe, AZ 85297-1604, USA

(347)-263-9623 | diana.khusnutdinova@asu.edu

EDUCATION

Arizona State University Ph. D. Candidate in Chemistry Advisor: Gary F. Moore	present
Arizona State University Professional Science Master's Degree Liberal Arts & Sciences Advisor: Jeffery L. Yarger	2012-2014
Kazan State Technological University Specialist Degree with Honors in Chemical Engineering Advisor: G. R. Strekalova	2004-2010
Kazan State Technological University BEc in Economics and Management of Companies	2006-2010

INTERNSHIP

Kazan Low-Tonnage Chemical Plant, Kazan, Russia	2009
---	------

TEACHING EXPERIENCE

Arizona State University, Tempe, AZ Graduate Teaching Assistant Physics	2012-2013
Advanced Topics in Organic Chemistry	2016
Lab Instructor Physics	2012-2013
General Chemistry	2014-2015

VOLUNTEER ACTIVITIES

Organizing Committee Nano and Giga Challenges in Electronics, Photonics and Renewable Energy Conference, Tomsk, Russia, September 18-22, 2017	
Symposium Assistant MRS (Materials Research Society), Spring 2017	
Grand Award Judge Intel International Science and Engineering Fair, Spring 2016	
Mentor ASU undergraduate students Samuel Jacob 2014-2015, Sylvia Nanyangwe, 2016-present	

Volunteer

ECS (The Electrochemical Society) Conference, Fall, 2015.

Organizing Committee

Nano and Giga Challenges in Electronics, Photonics and Renewable Energy Conference, ASU
March 10-14, 2014

Organizing Committee and Interpreter

Second International RUSTEC (Russian Science, Technology and Educational Consortia) Workshop,
Spring 2012

AWARDS & HONORS

Individual Travel Grant, ASU Graduate and Professional Student Association	2017
George Yuen Memorial Award	2017
Distinguished Teaching Assistance Award	2017
George Yuen Memorial Award	2016
Scholarship of KSTU	2004-2010

CONFERENCES & PRESENTATIONS

Electron Donor-Acceptor Interactions Gordon Research Conference, Newport, RI	2016
Poster Presenter , “Metalloporphyrin-modified Semiconductors for Solar Fuel Production”	
FUSION Conference, Biodesign Institute, Arizona State University	2017
Poster Presenter “Metalloporphyrin-modified Semiconductors for Solar Fuel Production”	

PUBLICATIONS AND PAPERS

1. Khusnutdinova, D.; Moore, G.F. “Synthesis and Characterization of a Cobalt(II) Tetrakis(3-fluorophenyl)porphyrin with a Built-in 4-Vinylphenyl Surface Attachment Moiety” *Photosynthetica*, **2017**. Submitted
2. Khusnutdinova, D.; Beiler, A.M.; Wadsworth, B.L.; Jacob, S.I.; Moore, G.F. “Metalloporphyrin-modified Semiconductors for Solar Fuel Production” *Chem. Sci.*, **2017**, *8*, 253-259.
3. Beiler, A.M.; Khusnutdinova, D.; Wadsworth B.L.; Moore, G. F. "Cobalt porphyrin-polyppyridyl Surface Coating for Improved Photoelectrosynthetic Fuel Production". *Submitted*.
4. Wadsworth, B. L.; Beiler, A. M.; Khusnutdinova, D.; Jacob, S. I.; Moore, G. F. “Optical and Electronic Properties of a Molecular Hydrogen Production Catalyst Confined at a Polymeric Interface”, *ACS Catal.*, **2016**, *6*, pp. 8048-8057.
5. Beiler, A.M.; Khusnutdinova, D.; Jacob, S.I.; Moore, G. F. “Solar Hydrogen Production using Molecular Catalysts Immobilized on Gallium Phosphide (111)A and (111)B Polymer-Modified Photocathodes” *ACS Appl. Mater. Interfaces*, **2016**, *8* (15), pp 10038–10047
6. Beiler, A.M.; Khusnutdinova, D.; Jacob, S.I.; Moore, G. F. "Chemistry at the Interface: Polymer-Functionalized Semiconductors for Solar Hydrogen Production" *Ind. & Eng. Chem. Research*, **2016**, *55* (18), pp. 306-5314, Special Issue “Invited Papers from ACS Boston”