

## Yi Hu

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<b>EDUCATION</b>	University of North Texas, Denton, TX Ph.D. Candidate in Organic Chemistry, GPA 4.0/4.0	Aug, 2016 – Present
	Miami University, Oxford, OH Ph.D. Student in Organic Chemistry, GPA 3.9/4.0	Aug, 2014 – Aug, 2016
	Shandong University, China Bachelor of Science in Chemistry, GPA 3.4/4.0	Sep, 2010 – May, 2014
<b>AWARDS</b>	<b>1<sup>st</sup> Place Graduate Research Presenter</b> at UNT Department of Chemistry	April 27, 2018
	UNT Toulouse Graduate School <b>Travel Grant</b>	Feb 24, 2018
	ACS Organic Division <b>Travel Award</b>	Jan 22, 2018
	<b>2<sup>nd</sup> Place Graduate Oral Presentation</b> in Organic/Analytical Chemistry at the 50 <sup>th</sup> ACS Meeting in Miniature Dallas-Fort Worth Local Section	April 29, 2017
	<b>Best Poster Award</b> in Nanocarbon Division at the 231 <sup>st</sup> ECS Meeting	May 30, 2017
	UNT College of Arts and Sciences Graduate School <b>Travel Award</b>	May 17, 2017
<b>RESEARCH EXPERIENCE</b>	<b>Research Assistant</b> , Advisor: Dr. Hong Wang Department of Chemistry, University of North Texas   Miami University	Aug, 2014 – Present
<ul style="list-style-type: none"><li>• Developed concise and versatile methodologies to access a large number of <math>\pi</math>-extended porphyrins</li><li>• Designed and synthesized a series of new organic materials based on functionalized <math>\pi</math>-extended porphyrins for electronic applications and solar energy conversion</li><li>• Managed ordering for lab consumables, equipment, and services</li><li>• Handled lab maintenance and organization</li><li>• Mentored and supervised undergraduate and graduate students</li></ul>		
<b>TEACHING EXPERIENCE</b>	<b>Teaching Assistant</b>   Organic Chemistry Laboratory Department of Chemistry, University of North Texas	Aug, 2016 – Dec, 2017
	<ul style="list-style-type: none"><li>• Supervised and instructed students in organic chemistry techniques</li><li>• Designed teaching materials including problem sets and exams</li><li>• Graded lab reports and exams with positive feedback from professors</li></ul>	
	<b>Teaching Assistant</b>   Organic Chemistry Laboratory Department of Chemistry, Miami University	Aug, 2014 – Aug, 2016
	<ul style="list-style-type: none"><li>• Led weekly laboratory and held office hours for two groups of 30 students</li></ul>	

- Created grading rubrics for all TAs

## PUBLICATIONS

M. B. Thomas, R. G. W. Jinadasa, **Y. Hu**, B. Schmitz, H. Wang, F. D'Souza "β-functionalized zinc porphyrin coordinated to C60 donor-acceptor conjugates", *Can. J. Chem.*, **2018**, Accepted.

**Y. Hu**, S. Yellappa, M. B. Thomas, R. G. W. Jinadasa, A. Matus, M. Shulman, F. D'Souza, H. Wang, "β-Functionalized push-pull opp-dibenzoporphyrins as sensitizers for dye-sensitized solar cells", *Chem. Asian. J.*, **2017**, 12, 2794 - 2762

**Y. Hu**, M. B. Thomas, R. G. W. Jinadasa, H. Wang, F. D'Souza, "Competitive energy and electron transfer in β-functionalized free-base porphyrin zinc porphyrin dimer axially coordinated to C60", *Chem. Eur. J.*, **2017**, 23, 12805 - 12814. "Inside Cover Page"

R. G. W. Jinadasa, M. B. Thomas, **Y. Hu**, F. D'Souza, H. Wang, "Investigation of the push-pull effects on β-functionalized benzoporphyrins bearing ethynylphenyl bridge", *PCCP*, **2017**, 19, 13182 - 13188.

R. G. W. Jinadasa, B. Li, B. Schmitz, S. Kumar, **Y. Hu**, L. Kerr, H. Wang, "Monobenzoporphyrins as Sensitizers for Dye-Sensitized Solar Cells: Observation of Significant Spacer Group Effect", *ChemSusChem*, **2016**, 9, 2239 - 2249

## PRESENTATIONS

Y. Hu, M. Thomas, R. G. W. Jinadasa, F. D'zousa, and H. Wang, "Competitive Photoinduced Energy and Electron Transfer in Porphyrin- Fullerene Triad" **Oral presentation**, 255<sup>th</sup> ACS National Meeting, New Orleans, LA, March 22, 2018

**Y. Hu**, R. G. W. Jinadasa and H. Wang, "Synthesis of Oligomeric Benzoporphyrins Via Imidation" **Poster presentation**, 231<sup>st</sup> ECS Meeting, New Orleans, June 1, 2017.

**Y. Hu**, S. Yellappab, R. G. W. Jinadasa, D. Francis, and H. Wang, "β-Functionalized Push-Pull Dibenzoporphyrins", **Poster presentation**, TexSynIII Conference, May 20, 2017.

**Y. Hu**, S. Yellappab, R. G. W. Jinadasa, D. Francis, and H. Wang, "β-Functionalized Push-Pull Dibenzoporphyrin as Light Harvester for Dye-Sensitized Solar Cell", **Oral presentation**, 50<sup>th</sup> ACS Meeting in Miniature Dallas-Fort Worth Local Section, April 29, 2017.