Contact Information	929 E 57 <sup>th</sup> St Gordon Center for Integrative Science E405A Chicago, IL 60637	<i>E-mail:</i> awuttig@uchicago.edu <i>Phone</i> : 773.702.6044
Education	Massachusetts Institute of Technology, Cambridg Ph.D, Inorganic Chemistry Advised by: Yogesh Surendranath, Ph.D. Dissertation: <i>Controlling Kinetic Branching in</i>	ge, MA 2018 <i>CO2-to-Fuels Catalysis</i>
	<b>Princeton University</b> , Princeton, NJ A.B., Chemistry, <i>Summa Cum Laude</i> Certificate in Materials Science and Engineerir Advised by: Andrew Bocarsly, Ph.D. and Robe Thesis: <i>Tuning the Photoresponse of CuFeO</i> <sub>2</sub> w	ng ert Cava, Ph.D. <i>vith Mg Doping</i>
PROFESSIONAL APPOINTMENTS	<b>University of Chicago</b> , Chicago, IL Neubauer Family Assistant Professor of Chemi	istry July 2021–
	University of California, Berkeley, CA NIH Postdoctoral Fellow Advised by: F. Dean Toste, Ph.D.	2018–2021
HONORS AND Fellowships	National Science Foundation CAREER Award, 2023 Scialog Fellow in Negative Emissions Science, 2023 NIH Maximizing Investigators' Research Award, 2023 Scialog Negative Emissions Science Award, 2022 ACS PRF Doctoral New Investigator, 2022 Scialog Fellow in Negative Emissions Science, 2022 Neubauer Family Assistant Professorship, 2021 ACS Nobel Laureate Signature Award in Graduate Education, 2019 MIT Alan Davison Inorganic Thesis Prize, 2018 NIH Ruth L. Kirschstein National Research Service Award, 2018–2021 Davison Prize Fund Fellowship, 2017 International Precious Metals Institute Student Award, 2017 American Chemical Society Young Investigator Award, Inorganic Chemistry, 2017 MIT Department of Chemistry Teaching Award, 2014 National Science Foundation Graduate Research Fellowship, 2014–2017 MIT Energy Initiative Graduate Fellow, 2013–2014 Malcolm H. Chisholm Inorganic Chemistry Prize, 2013 Newport Award for Excellence in Photonics, First Prize, 2013 Peter B. Lewis Award for Student Innovation in Energy and the Environment 2012	
PUBLICATIONS AT UCHICAGO	<ul> <li><sup>Δ</sup>denotes equal contribution, <sup>1</sup>denotes Wuttig Group trainee, *denotes corresponding author.</li> <li>Chen, Q.C.,<sup>1</sup> Kress, S.,<sup>1</sup> Molinelli, R.,<sup>1</sup> Wuttig, A.* (2024). Interfacial Tuning of Electrocatalytic Ag Surfaces for Fragment-Based Electrophile Coupling. <i>Nature Catalysis</i>. DOI: 10.1038/s41929-023-01073-5.</li> </ul>	
	Badgurjar, D., <sup>1,Δ</sup> Huynh, M., <sup>1,Δ</sup> Masters, B., <sup>1</sup> <b>Wuttig, A.</b> * (2023). Non-Covalent Interactions Mimic the Covalent: An Electrode-Orthogonal Self-Assembled Layer. <i>Journal of the American Chemical Society</i> , <i>145</i> (32), 17734–17745.	
	Wuttig, A.,* Toste, F. D.* (2021). The Interface is a Tunable Dimension in Electricity-Driven Organic Synthesis. <i>Natural Sciences</i> , 1 (2), e20210036.	

PUBLICATIONS PRIOR TO UCHICAGO	Wuttig, A., Derrick, J., Loipersberger, M., Snider, A., Head-Gordon, M., Chang, C.,* Toste, F. D.* (2021). Controlled Single Electron Transfer via Metal-Ligand Cooperativity Drives Divergent Nickel Electrocatalyzed Radical Pathways. <i>Journal of the American Chemical Society</i> , 143 (18), 6990–7001.	
	Wuttig, A., Ryu, J. & Surendranath, Y.* (2021). Electrolyte Competition Controls Surface Binding of CO Intermediates to CO <sub>2</sub> Reduction Catalysts. <i>The Journal of Physical Chemistry C</i> , <i>125</i> (31), 17042–17050.	
	Ryu, J., Wuttig, A. & Surendranath Y.* (2018). Quantifying Interfacial pH Variation at Molecular Length Scales Using a Concurrent Non-Faradaic Reaction. <i>Angewandte Chemie International</i> <i>Edition</i> , 57(30), 9300-9304.	
	Wuttig, A., Yoon, Y., Ryu, J. & Surendranath, Y.* (2017). Bicarbonate is Not a General Acid in Au- Catalyzed CO <sub>2</sub> Electroreduction. <i>Journal of the American Chemical Society</i> , <i>139</i> (47), 17109- 17113.	
	Wuttig, A., Liu, C., Peng, Q., Yaguchi, M., Hendon, C. H., Motobayashi, K., Shen, Y., Osawa, M. & Surendranath, Y.* (2016). Tracking a Common Surface-Bound Intermediate during CO <sub>2</sub> -to-Fuels Catalysis. <i>ACS Central Science</i> , <i>2</i> (8), 522-528.	
	Wuttig, A., Yaguchi, M., Motobayashi, K., Osawa, M. & Surendranath, Y.* (2016). Inhibited Proton Transfer Enhances Au-Catalyzed CO <sub>2</sub> -to-Fuels Selectivity. <i>Proceedings of the National Academy of Sciences, U.S.A.</i> , 113(32), E4585 - E4593.	
	Wuttig, A., Krizan J., Gu J., Frick, J., Cava. R., & Bocarsly A.* (2016). The Effect of Mg-doping and Cu nonstoichiometry on the Photoresponse of CuFeO <sub>2</sub> . <i>Journal of Materials Chemistry A</i> , <i>5</i> (1), 165-171.	
	Hall, A., Yoon, Y., Wuttig, A., Surendranath, Y.* (2015). Mesostructure-Induced Selectivity in CO <sub>2</sub> Reduction Catalysis. <i>Journal of the American Chemical Society</i> , 137(47), 14834-14837.	
	Wuttig, A., Surendranath, Y.* (2015). Impurity Ion Coordination Enhances Carbon Dioxide Reduction. <i>ACS Catalysis</i> , 5(7), 4479-4484.	
	Gu J., <b>Wuttig, A.</b> , Krizan J., Hu, Y., Detweiler Z., Cava R., Bocarsly A.* (2013). Mg-doped CuFeO <sub>2</sub> Photocathodes for Photoelectochemical Reduction of Carbon Dioxide. <i>The Journal of Physical</i> <i>Chemistry C</i> , <i>117</i> (24), 12415-12422.	
	Hsia C., Wuttig, A., Yang H.* (2011). An Accessible Approach to Preparing Water-Soluble Mn <sup>2+</sup> - doped (CdSSe)ZnS (Core) Shell Nanocrystals for Ratiometric Temperature Sensing. ACS Nano, 5(12), 9511-9522.	
PROFESSIONAL MEMBERSHIPS AND SERVICE	Member, American Chemical Society, Inorganic Division; International Society of Electrochemistry; Society of Electroanalytical Chemistry; Electrochemical Society	
	Reviewer (Manuscripts), The Journal of the American Chemical Society, Journal of Materials Chemistry A, Chemical Science, Journal of Catalysis, Nature Catalysis, The Journal of Physical Chemistry, ACS Catalysis, Angewandte Chemie International Edition, ChemElectroChem, ChemCatChem, ChemPhysChem, ACS Energy Letters, Nature Energy, Nature Communications, Chemical Reviews, Organic Letters, Proceedings of the National Academy of Sciences, Inorganic Chemistry	
	Reviewer (Grants), American Chemical Society Petroleum Research Fund, Israel Science Foundation/National Natural Science Foundation of China Research Grant, Department of Energy Office of Science, Science Graduate Research Program	
INVITED TALKS	Independent Career:	
	Wuttig, A. (Scheduled in April 2024). Electrocatalytic Syntheses with Interfacial Control. <i>Invited</i> . Merck, Rahway, NJ, U.S.A.	
	Wuttig, A. (Scheduled in March 2024). Electrocatalytic Syntheses with Interfacial Control. <i>Invited</i> . Northeastern University, Boston, MA, U.S.A.	

Wuttig, A. (Scheduled in March 2024). Non-Covalent Electrode Modifications Mimic the Covalent.
Symposium on Next-Generation Surface Functionalization Strategies for Noble-Metal Surfaces
and Nanoparticles: From Fundamentals to Applications. Invited. ACS Spring National Meeting,
New Orleans, LA, U.S.A.

- Wuttig, A. (December 2023). Electrocatalytic Syntheses with Interfacial Control. *Invited*. Argonne National Laboratory. Chicago, IL, U.S.A.
- Wuttig, A. (November 2023). Electrocatalytic Syntheses with Interfacial Control. *Invited*. Loyola University. Chicago, IL. U.S.A.
- Wuttig, A. (October 2023). Electrocatalytic Syntheses with Interfacial Control. Symposium on Electroorganic Synthesis. *Invited*. Electrochemical Society Biannual Meeting, Gotenberg, Sweden.
- Wuttig, A. (September 2023). Electrocatalytic Syntheses with Interfacial Control. Chicago Regional Inorganic Conference. *Invited*. Chicago, IL, U.S.A.
- Wuttig, A. (August 2023). Non-Covalent Electrode Modifications Mimic the Covalent. Symposium on Sustainable catalysis for C1 valorization supported by the PRF. *Invited*. ACS Fall National Meeting, San Francisco, CA, U.S.A.
- Wuttig, A. (July 2023). Electrocatalytic Syntheses with Interfacial Control. Solar Solutions to Energy and Environmental Problems. *Invited*. Telluride Science and Innovation Center, Telluride, CO, U.S.A.
- Wuttig, A. (January 2023). Electrocatalytic Syntheses with Interfacial Control. Symposium on Electrically driven Chemical Transformation for Sustainable Future. *Invited*. Virtual, hosted by Korea University, Korea.
- Wuttig, A. (November 2022). Electrocatalytic Syntheses with Interfacial Control. Center for Synthetic Organic Electrochemistry. *Invited.* Salt Lake City, UT, U.S.A.
- Wuttig, A. (September 2022). Electrocatalytic Syntheses with Interfacial Control. Selected for Late-Breaking Topics Talk. Gordon Research Conference on Electrochemistry. Ventura, CA. U.S.A.
- Prior to independent career (2021 and earlier), 8 invited and 6 contributed talks at various conferences, including American Chemical Society National Meetings, Society of Electrocanalytical Chemistry Meetings, and International Society of Electrochemistry Annual Meetings.
- TRAINING Cyclic Voltammetry International School, Paris Diderot University, Paris, France, 2019
- EXPERIENCES American Chemical Society New Faculty Workshop, Washington, D.C., 2022

TEACHING AT Professor, Advanced Inorganic Chemistry 301, University of Chicago, Chicago, IL

• Fall Quarter 2021, 2022, 2023

Professor, Inorganic Chemistry 201, University of Chicago, Chicago, IL

• Winter Quarter 2023

SERVICE AT UCHICAGO

UCHICAGO

• Member, 2023-2024

Climate & Energy Initiative in Energy Technologies, University of Chicago

• Organizing Committee on Electrochemistry Workshop, 2023-2024

Graduate Admissions Committee, Department of Chemistry, University of Chicago

• Member, 2021-2022; 2022-2023, 2023-2024 Academic Years

Graduate Recruitment Committee, Department of Chemistry, University of Chicago

• Member, 2021-2022 Academic Year

CHM 500 Working Group, University of Chicago

- Co-Chair, 2022-2023 Academic Year
- Chair, 2023-2024 Academic Year

Junior Faculty Search Committee, Department of Chemistry, University of Chicago

• Member, 2021-2022; 2022-2023 Academic Years

Medical Scientist Training Programs Admission, University of Chicago

• Interviewer, 2021-2022 Academic Year

Future Faculty Conference, University of Chicago

- Chair of Session, May 2022
- Reviewer of Inorganic Applications, March 2023
- Panel Member and Mentee, June 2023

Chicago Regional Inorganic Conference

• Reviewer of Inorganic Applications, July 2023

Ph.D. Candidacy Examiner, Department of Chemistry, University of Chicago

- Member, 2021-2022; 3 candidacy exams
- Member, 2022-2023; 3 candidacy exams
- Member, 2023-2024; 4 candidacy exams

CURRENT COMPOSITION OF RESEARCH GROUP

- Dr. Deepak Badgurjar, Joined September 2021
- Dr. Qiu-Cheng Chen, Joined November 2021

Graduate Students:

Postdoctoral Scholars:

- Ms. Špela Kunstelj, Joined December 2021
- Mr. Benjamin Masters, Joined November 2022
- Mr. Taemin Kim, Joined November 2023
- Mr. Nicolas Maldonado, Joined November 2023
- Mr. Gregory Gorobets, Joined November 2023
- Ms. Ye Ji Kim., Joined November 2023

Undergraduate Researchers:

- Ms. Madison Hyunh, Joined September 2021
- Ms. Sarah Kress, Joined March 2022
- Ms. Ry Papadopoulos, Joined October 2023

ALUMNI Undergraduate Researchers:

- Mr. Charles Zhang, July 2021 –January 2022
- Mr. Rocco Molinelli, July 2021 May 2022, Current: University of Oregon Master's in Electrochemistry Program
- Ms. Emma Edwards, Joined November 2022, Current: Undergraduate Student at the University of Chicago