

Jiaxin (Dawn) Duan

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EDUCATION

Present –	<u>Northwestern University</u>
2018 Summer	Ph. D. Candidate in Chemistry (Weinberg College of Arts & Sciences)
2018 Spring–	<u>University of Minnesota – Twin Cities</u>
2014 Fall	B. S. Chemistry (College of Science and Engineering) Minor in Mathematics (College of Liberal Arts)

PUBLICATIONS DURING GRADUATE SCHOOL

1. Lu, Z.; Wang, R.; Liao, Y.; Farha, O. K.; Bi, W.; Sheridan, T. R.; Zhang, K.; **Duan, J.**; Liu, J.; Hupp, J. T. *Chem. Comm.*, **2021**, Accepted.
2. Ray, D.; Goswami, S.; **Duan, J.**; Hupp, J. T.; Cramer, C.; Gagliardi, L. *Chem. Mater.*, **2021**, ASAP. DOI: 10.1021/acs.chemmater.0c03855
3. Nagatomi, H.; Gallington, L.; Goswami, S.; **Duan, J.**; Chapman, K.; Yanai, N.; Kimizuka, N.; Farha, O. K.; Hupp, J. T. *ACS Omega*, **2020**, 5, 30299–30305.
4. Wang, R.; Bukowski, B. C.; **Duan, J.**; Sheridan, T. R.; Atilgan, A.; Zhang, K.; Snurr, R. Q.; Hupp, J. T. *Langmuir*, **2020**, 36, 10853–10859.
5. Kung, C.-W.; Goswami, S.; Hod, I.; Wang, T. C.; **Duan, J.**; Farha, O. K.; Hupp, J. T. *Acc. Chem. Res.* **2020**, 53, 1187–1195.
6. Goswami, S.; Hod, I.; **Duan, J.**; Kung, C.-W.; Rimoldi, M.; Malliakas, C. D.; Palmer, R. H.; Farha, O. K.; Hupp, J. T. *J. Am. Chem. Soc.* 2019, 141, 17696–17702.

MANUSCRIPT IN PREPERATION

1. **Duan, J.**; Goswami, S.; Hupp, J. T. **2021**. Manuscript in preparation for *J. Phys. Chem. C*

PUBLICATIONS DURING UNDERGRADUATE PERIOD

1. Desai, S. P.; Ye, J.; Zheng, J.; Ferrandon, M. S.; Webber, T. E.; Platero-Prats, A. E.; **Duan, J.**; Garcia-Holley, P.; Camaioni, D. M.; Chapman, K. W.; Delferro, M.; Farha, O. K.; Fulton, J. L.; Gagliardi, L.; Lercher, J. A.; Penn, R. L.; Stein, A.; Lu, C. C. *J. Am. Chem. Soc.* **2018**, 140, 15309–15318.
2. Malonzo, C. D.; Wang, Z.; **Duan, J.**; Zhao, W.; Webber, T. E.; Li, Z.; Kim, I. S.; Kumar, A.; Bhan, A.; Platero-Prats, A. E.; Chapman, K. W.; Farha, O. K.; Hupp, J. T.; Martinson, A. B. F.; Penn, R. L.; Stein, A. *Inorg. Chem.* **2018**, 57, 2782–2790.
3. Desai, S. P.; Malonzo, C. D.; Webber, T. E.; **Duan, J.**; Thompson, A. B.; Tereniak, S. J.; DeStefano, M. R.; Buru, C. T.; Li, Z.; Penn, R. L.; Farha, O. K.; Hupp, J. T.; Stein, A.; Lu, C. C. *Farad. Discuss.* **2017**, 201, 287–302.

RESEARCH EXPERIENCE

Present –	<u>Graduate Research Assistant, Hupp Group</u>
2018 Summer	<u>Department of Chemistry, Northwestern University</u> <ul style="list-style-type: none">• Investigated host–guest interactions within metal–organic frameworks using electrochemical methods• Collected and solved structural information on various materials for the group• Communicated results through reports and presentations at debriefing and conferences
2018 Spring –	<u>Undergraduate Researcher, Stein Group</u>
2015 Fall	<u>Department of Chemistry, University of Minnesota – Twin Cities</u> <ul style="list-style-type: none">• Synthesized, modified and characterized metal-organic frameworks and their derivatives• Presented at various research debriefing and conferences

TEACHING/WORKING EXPERIENCE

2020 Spring–	<u>Northwestern University, Laboratory Assistant</u>
2019 Fall	Northwestern University Micro/Nano Fabrication Facility <u>Northwestern University, Teaching Assistant</u>
2021 Winter	Advanced Physical and Analytical Chemsitry, CHEM 435/445
2020 Fall	Accelerated General Chemistry, CHEM 151
2020 Winter	Advanced Laboratory 2, CHEM 350

2019 Summer	General Inorganic Chemistry Lab, CHEM 142
2019 Winter	Advanced General Chemistry Laboratory 2, CHEM 182
2019 Winter	Advanced Laboratory 2, CHEM 350
2018 Fall	Advanced General Chemistry Laboratory 1, CHEM 181
	<u>University of Minnesota – Twin Cities, Teaching Assistant</u>
2018 Spring	General Chemistry Laboratory, CHEM 1065
2017 Fall	General Chemistry Laboratory for students on honor track, CHEM 1075H
2017 Summer	Advanced Inorganic Chemistry Laboratory, CHEM 4711W
2017 Spring	General Chemistry Laboratory, CHEM 1066
2016 Fall	General Chemistry Laboratory, CHEM 1065
2016 Spring	General Chemistry (Discussion group), CHEM 1062
2015 Fall	General Chemistry (Discussion group), CHEM 1061

HONORS & REWARDS

2018 Spring– 2014 Fall	Dean's List, University of Minnesota
2018 Spring	Travel grant for American Chemical Society 255 th National Meeting (\$250)
2018 Spring– 2017 Fall	Dr. Paul F. and Patricia Guehler Chemistry Scholarship (\$5000)
2017 Fall	J. Lewis Maynard Memorial Prize in Advanced Inorganic Chemistry (\$100)
2017 Spring – 2016 Fall	Thomas DuBruil Undergraduate Research Award (\$3000)
2017 Spring – 2016 Fall	Undergraduate Research Opportunities Program (\$1500)
2015 Fall	McGraw Hill's Book Prize for Student Achievement in Introductory Chemistry (A book)

PROFESSIONAL DEVELOPMENT

2020 Dec	Rigaku School for Advanced Topics in Practical Crystallography (pass the test with honors)
2019 Fall	Certificate of Completion: Advanced Impedance Spectroscopy

PRESENTER

2019 Fall	Nanoporous Materials Genome Center (NMGC) All-Hands Meeting (Poster)
2018 Spring	American Chemical Society 255 th National Meeting (Poster)

ATTENDEE

2019 Fall	Electrochemical Society 236 th Meeting (Short Course)
2019 Spring	Catalysis Club of Chicago Symposium
2017 Fall	Inorganometallic Catalyst Design Center (ICDC) All-Hands Meeting
2017 Spring	IPRIME Annual Meeting

SERVICES

Present – 2020	Volunteer, Books & Breakfast (Tutor for middle schoolers)
2021	Volunteer, Expand Your Horizons Chicago (Social media assistant)
2020	Volunteer, Expand Your Horizons Chicago (Activity Leader for children)
Present – 2020	<u>Phi Lambda Upsilon (Northwestern's Chemistry Honor Society)</u> Secretary and webmaster (http://nuplu.weebly.com/)
Present – 2020	<u>Northwestern Energy and Technology Group</u> Advertisement chair and webmaster (https://sites.northwestern.edu/netg0/)
2020 – 2019	General Board Member

2019 Spring	Volunteer, ACS the Great Lake Regional Meeting (Session Presider)
2016 Spring – 2014 Fall	Volunteer, Minnesota Science Museum (Activity Leader)