

CV/Resume
Joseph Nathanael Mastron
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Education:

Expected 2018 Ph.D, Physical Chemistry, University of Chicago

2014 M.S, Physical Chemistry, University of Chicago
2013 B.S, Chemistry, Summa Cum Laude, University of Southern California
2011 A.A, Chemistry, A.A, Physics, A.A, Mathematics, Highest Honors, Cerritos College

Positions and Employment:

University of Chicago:

Research Assistant, 2014 – present, Tokmakoff Group
Teaching Assistant, 2013 – 2014, General Chemistry 101,102,113

University of Southern California:

Photography Lab Tech, 2011 – 2013, Roski School of Fine Arts Photo Labs
Undergraduate Researcher, 2011 – 2013, Bradforth Group, College Department of Chemistry
Undergraduate Intern Researcher, 2010 – 2011, Bradforth Group, College Department of Chemistry

Cerritos College:

Student Tutor in Chemistry, 2010 – 2011, Associated Student Center
Student Worker, 2009 – 2011, CTE Teacher TRAC Program

Affiliations and Memberships:

American Chemical Society, Member, 2011 – present
Phi Beta Kappa Honor Society, Member, 2013 – present
Center for Energy Nanoscience, Undergraduate Member, 2011 – 2013
USC Queer and Allied Student Assembly, Member, 2011 – 2013, Executive Board Member, 2012 – 2013

Publications:

“Aqueous Colloidal Acene Nanoparticles: A New Platform for Studying Singlet Fission.” Joseph N. Mastron, Sean T. Roberts, R. Eric McAnally, Mark E. Thompson, and Stephen E. Bradforth. JPCB, 2013, 117 (49), pp 15519-15526

“Efficient Singlet Fission Discovered in a Disordered Acene Film.” Sean T. Roberts, R. Eric McAnally, Joseph N. Mastron, David H. Webber, Matthew T. Whited, Richard L. Brutchey, Mark E. Thompson, and Stephen E. Bradforth. J. Am. Chem. Soc., 2012, 134 (14), pp 6388–6400

“Observation of Triplet Exciton Formation in a Platinum-Sensitized Organic Photovoltaic Device.” Sean T. Roberts, Cody W. Schlenker, Vincent Barlier, R. Eric McAnally, Yuyuan Zhang, Joseph N. Mastron, Mark E. Thompson, and Stephen E. Bradforth. J. Phys. Chem. Lett., 2011, 2 (2), pp 48–54

Awards and Honors:

- Academic Excellent Award in Chemistry, Cerritos College, 2010
- JPLUS Scholar Award, 2010
- Rose Hills Summer Fellowship (Rose Hills Foundation Summer Research Grant, 2012)
- Rose Hills Scholarship (School Year 2012-13)