

**Nicholas M. Marshall, Assistant Professor of Chemistry
Department of Chemistry and Physics, University of South Carolina Aiken, 2020**

Education

University of Georgia, Athens, GA, USA PhD, Materials Chemistry. (2010) Advisor: Jason Locklin
Kennesaw State University, Kennesaw, GA, USA, ACS Professional BS in Chemistry, BS in Mathematics,
summa cum laude (2004)

Appointments

Assistant Professor of Chemistry, University of South Carolina-Aiken, 2016-present.
Visiting Assistant Professor of Organic Chemistry, Berea College (Berea, KY) 2013-2016.
Postdoctoral Associate, US Nat'l Oceanic and Atmospheric Administration, Charleston, SC. 2011-2013.
Contractor, US Environmental Protection Agency, Athens, GA. 2008.

Peer-reviewed publications

Marshall, N; Rodriguez, A. " Cross-coupling polymerization at iodophenyl thin films prepared by spontaneous grafting of a diazonium salt" *PeerJ Mat. Sci.*, **2020**, 2, e6
Marshall, N. "Endgroup and sidechain functionalization of surface-initiated ROMP thin films: progress towards ROMP-based molecular wires". **2020**. *ACS Omega*. In revision (*editor's decision, "major revisions"*) (*preprinted at ChemRxiv*) DOI: 10.26434/chemrxiv.5954518.v2
Marshall, N. James, W.T. ; Fulmer, J.; Crittenden, S; Rowe, G.T. "Polythiophene Doping of Metal-Organic Frameworks Using Innate MOF-Catalyzed Oxidative Polymerization." *Inorganic Chemistry*, 2019, 58(9), 5561-5575.
Marshall, N; Rodriguez, A.; Crittenden, S. "Diazonium-functionalized thin films from the spontaneous reaction of p-phenylenebis(diazonium) salts." *RSC Advances*, 2018, 8, 6690-6698.

Editorially reviewed publications and preprints

Rodriguez, A.; Marshall, N. "Electrophilic bromination using NBS/ACN; 2,5-dibromo-1,4-dihydroxybenzene." *Chemspider Synthetic Pages #849*. **2018**. DOI: 10.1039/SP849.
Rodriguez, A.; Marshall, N. "Preparation of p-phenylenebis(diazonium) tetrafluoroborate salt; p-phenylenebis(diazonium) tetrafluoroborate." **2018**. *Chemspider Synthetic Pages #834*. DOI: 10.1039/SP834.

Key grants awarded (see Awards and Honors for more complete list)

\$10,000: DOE LDRD Subaward: "Modification and Characterization of Nanomaterial Capping Layers". Awarded, postponed due to COVID-19.
\$14,000 DOE VFP "Heat-labile Foams 2019-2020" (**postponed to 2021** due to COVID-19 pandemic)
\$6000 RISE: Development of an initiator for the surface-initiated Kumada polymerization reaction (SI-KCTP). May 2020-December 2020. USCeRA # 911063-20-52682.

Key presentations

"Making Sticky Metals" Savannah River Local Section of the ACS, Aiken, SC, Mar. 2019 (Invited lecture, * Dr. Kaitlin Lawrence, host)
"Making Materials from Conjugated Polymers" High Point University Department of Chemistry, High Point, NC, Feb. 2019. (Invited lecture, * Dr. Pamela Lundin, host)
Nicholas Marshall, William James, Jeremy Fulmer, Scott Crittenden, and Gerard Rowe. "Ship-in-a-bottle polymerization" Accepted and given at the Advanced Materials for Energy Storage and Conversion symposium, SERMACS 2018 (Dr. Patrick Ward, organizing)

Publications Edited

Academic Editor, PeerJ Chemistry, 2019-present
Lead Editor, Chemspider Synthetic Pages (Royal Society of Chemistry) 2018-present