

ZACHARIAH A. PAGE

Assistant Professor of Chemistry
The University of Texas at Austin

Email: zpage@utexas.edu
Website: <https://zpagegroup.com/>

PROFESSIONAL EXPERIENCE

<u>Assistant Professor of Chemistry</u> <i>The University of Texas at Austin</i>	2018-
<u>Postdoctoral Scholar</u> <i>University of California, Santa Barbara (with Prof. Craig J. Hawker)</i>	2015-2018

EDUCATION

<u>University of Massachusetts, Amherst</u> Ph.D., Polymer Science and Engineering (with Prof. Todd Emrick) Thesis: <i>Polymer and Fullerene Zwitterions: From Synthesis to Solar Cells</i>	2010-2015
<u>Juniata College</u> Bachelor of Science, Chemistry	2006-2010

AWARDS

Sloan Research Fellowship (link)	2024
Herman F. Mark Young Scholar Award (link)	2024
Camille Dreyfus Teacher-Scholar Award (link)	2023
UT Austin, CNS Teaching Excellence Award (link)	2022
DoD Early Career Award for Scientists and Engineers (ECASE)	2022
ACS PMSE Young Investigator Award (link)	2022
Cottrell Scholar Award, Research Corporation for Science Advancement (link)	2022
RadLaunch Award (link)	2021
3M Non-Tenured Faculty Award	2021
DoD AFOSR Young Investigator Award	2021
NSF CAREER Award	2021

HONORS

Science, Board of Reviewing Editors (link)	2024-
Chemical Science Reviewer Spotlight	2024
Research featured in Polymer Chemistry's Most Popular 2023 Articles (link)	2024
Research featured in Chemical and Engineering News (link)	2022
Research featured on local news, CBS Austin (link)	2022
International Advisory Board, <i>Macromolecular Chemistry and Physics</i> (link)	2021-
Research highlighted in 2020 ARO Year-in-Review, pg 167-168 (link)	2021
Research featured in Chemical and Engineering News (link)	2020
Research featured in HepatoChem's Year in review (link)	2020
"Outstanding Reviewer for <i>Polymer Chemistry</i> "	2018/19
Poster presentation award at the 11 th International Symposium on Functional π -Electron Systems, France	2013
DOE Office of Science Graduate Fellowship (DOE SCGF)	2010-2013
Goldwater Scholarship	2007

PUBLICATIONS (h-index: 32, [google scholar](#))*Independent Publications*

- (74) Corsetti, S.; Notaros, M.; Sneh, T.; Stafford, A.; Page, Z. A.; Notaros, J.* "Silicon-Photonics-Enabled Chip-Based 3D Printer." *Light Sci. Appl.*, **2024**, in-press.
- (73) Mason, K. S.†; Huang, S.-Y.†; Emslie, S. K.; Humphrey, S. M.; Sessler, J. L.*; **Page, Z. A.*** "3D Printed Porous Supramolecular Sorbents for Cobalt Recycling." *J. Am. Chem. Soc.*, **2024**, *146*, 4078-4086.
[DOI: 10.1021/jacs.3c12635](https://doi.org/10.1021/jacs.3c12635)
- (72) O'Dea, C. J.; Isokuortti, J.; Comer, E. E.; Roberts, S. T.*; **Page, Z. A.*** "Triplet Upconversion Under

- Ambient Conditions Enables Digital Light Processing 3D Printing.” *ACS Cent. Sci.*, **2024**, *10*, 272-282. DOI: [10.1021/acscentsci.3c01263](https://doi.org/10.1021/acscentsci.3c01263)
- (71) Guest Editorial: Katsumata, R.; Mutlu, H.; Brendel, J. C.; Chen, Y., Martinelli, E.; **Page, Z. A.** “Editorial: Next Generation of Polymer Researchers.” *Macromol. Chem. Phys.*, **2023**, *224*, 2300388. DOI: [10.1002/macp.202300388](https://doi.org/10.1002/macp.202300388)
- (70) Stafford, A.; Allen, S. R.; Estergreen, L.; Kafle, K.; Roberts, S. T.*; **Page, Z. A.*** “Efficient Near Infrared Photopolymerizations using azaBODIPYs with Electron Donating Groups and Intramolecular Charge Transfer.” *Macromolecules*, **2023**, *56*, 9804–9810. DOI: [10.1021/acs.macromol.3c02004](https://doi.org/10.1021/acs.macromol.3c02004)
- (69) Stafford, A.; Allen, S. R.; Grusenmeyer, T. A.; O’Dea, C. J.; Estergreen, L.; Roberts, S. T.*; **Page, Z. A.*** “Thiophene-Fused Boron Dipyrromethenes as Energy Efficient Near-Infrared Photocatalysts for Radical Polymerizations.” *J. Mater. Chem. A*, **2023**, *11*, 22259-22266. DOI: [10.1039/D3TA04462A](https://doi.org/10.1039/D3TA04462A)
- (68) Chung, K.-Y.; Uddin, A.; **Page, Z. A.*** “Record Release of Tetramethylguanidine using a Green Light Activated Photocage for Rapid Synthesis of Soft Materials.” *Chem. Sci.*, **2023**, *14*, 10736-10743. DOI: [10.1039/D3SC04130A](https://doi.org/10.1039/D3SC04130A)
- (67) Kiker, M. T.†; Uddin, A.†; Stevens, L. M.; Chung, K.-Y.; Lu, P.; **Page, Z. A.*** “Visible Light Activated Coumarin Photocages: An Interplay Between Radical and Organobase Generation to Govern Thiol-Ene Polymerizations.” *Polym. Chem.*, **2023**, *14*, 3843-3850. DOI: [10.1039/D3PY00771E](https://doi.org/10.1039/D3PY00771E)
-Highlighted in [Polymer Chemistry’s Most Popular 2023 Articles](#) (February, 2024)
- (66) Zhou, J.†; Seo, J.†; Wu, Y.; Ambulo, C. P.; Marsh, Z. M.; Lee, K. N.; Godman, N. P.; **Page, Z. A.*** “Cooperative Liquid Crystal Photo-Polymerization and -Alignment with In Situ Monitoring for Substrate Independent Patterning of Optical Anisotropy.” *Adv. Funct. Mater.*, **2023**, *33*, 2308828. DOI: [10.1002/adfm.202308828](https://doi.org/10.1002/adfm.202308828)
- (65) Chung, K.-Y.; **Page, Z. A.*** “Boron-Methylated Dipyrromethene as a Green Light Activated Type I Photoinitiator for Rapid Radical Polymerizations.” *J. Am. Chem. Soc.*, **2023**, *145*, 17912–17918. DOI: [10.1021/jacs.3c05373](https://doi.org/10.1021/jacs.3c05373)
- (64) Rylski, A. K.; Maraliga, T.; Wu, Y.; Recker, E. A.; Arrowood, A. J.; Sanoja, G. E.; **Page, Z. A.*** “Digital Light Processing 3D Printing of Soft Semicrystalline Acrylates with Localized Shape Memory and Stiffness Control.” *ACS Appl. Mater. Interfaces*, **2023**, *15*, 34097-34107. DOI: [10.1021/acsami.3c07172](https://doi.org/10.1021/acsami.3c07172)
- (63) Uddin, A.; Allen, S. R.; Rylski, A. K.; O’Dea, C. J.; Ly, J. T.; Grusenmeyer, T. A.; Roberts, S. T.*; **Page, Z. A.*** “Do The Twist: Efficient Heavy-Atom-Free Visible Light Polymerization Facilitated by Spin-Orbit Charge Transfer Inter-system Crossing.” *Angew. Chem. Int. Ed.*, **2023**, *62*, e202219140. DOI: [10.1002/anie.202219140](https://doi.org/10.1002/anie.202219140)
- (62) Stevens, L. M.; Recker, E. A.; Zhou, K. A.; Garcia, V. G.; Mason, K. S.; Tagnon, C.; Abdelaziz, N.; **Page, Z. A.*** “Counting All Photons: Efficient Optimization of Visible Light 3D Printing.” *Adv. Mater. Technol.*, **2023**, *8*, 2300052. DOI: [10.1002/admt.202300052](https://doi.org/10.1002/admt.202300052)
- (61) Wang, H.; Jones, L. O.; Zhao, T.; Hwang, I.; Lynch, V. M.; Khashab, N. M.; Schatz, G. C.*; **Page, Z. A.***; Sessler, J. L.* “Fluorescent Copolymer Aggregate Sensor for Lithium Chloride.” *Chem. Sci.*, **2023**, *14*, 4120-4125. DOI: [10.1039/D2SC05342J](https://doi.org/10.1039/D2SC05342J)
- (60) Allen, M. J.; Lien, H.-M.; Prine, N.; Burns, C.; Rylski, A.; Gu, X.; Cox, L.; Mangolini, F.; Freeman, B. D.; **Page, Z. A.*** “Multimorphic Materials: Spatially Tailoring Mechanical Properties via Selective Initiation of Interpenetrating Polymer Networks.” *Adv. Mater.*, **2023**, *35*, 2210208. DOI: [10.1002/adma.202210208](https://doi.org/10.1002/adma.202210208)
- (59) Chung, K.-Y.; Halwachs, K. N.; Lu, P.; Sun, K.; Silva, H. A.; Rosales, A. M.; **Page, Z. A.*** “Rapid Hydrogel Formation via Tandem Visible Light Photocaging and Bioorthogonal Ligation.” *Cell Rep. Phys. Sci.*, **2022**, *3*, 101185. DOI: [10.1016/j.xcrp.2022.101185](https://doi.org/10.1016/j.xcrp.2022.101185)
- (58) Rylski, A. K.; Cater, H. L.†; Mason, K. S.†; Allen, M. J.†; Arrowood, A. J.; Freeman, B. D.; Sanoja, G. E.; **Page, Z. A.*** “Polymeric Multimaterials by Photochemical Patterning of Crystallinity.” *Science*, **2022**, *378*, 211-215. DOI: [10.1126/science.add6975](https://doi.org/10.1126/science.add6975)
-Highlighted in 27 news outlets, including [C&E News](#), [Tech Times](#), [Scienmag](#), [The Daily Texan](#), and [materialstoday](#) (October, 2022)
- (57) Weeks, J. A.; Lauro, S. N.; Burrow, J. N.; Xiao, H.; Pender, J. P.; Rylski, A. K.; Hugh, D.; **Page, Z. A.;**

- Ellison, C. J.*; Mullins, C. B.* “Camphene-Assisted Fabrication of Free-Standing Lithium-Ion Battery Electrode Composites.” *ACS Appl. Mater. Interfaces*, **2022**, *14*, 45240-45253. DOI: [10.1021/acsami.2c08143](https://doi.org/10.1021/acsami.2c08143)
- (56) Cater, H. L.; Balynska, I.; Allen, Marshall J.; Freeman, B. D.; **Page, Z. A.*** “A User Guide to Ring-Opening Metathesis Polymerization of *endo* Norbornene Monomers with Chelated Initiators.” *Macromolecules*, **2022**, *55*, 6671-6679. DOI: [10.1021/acs.macromol.2c01196](https://doi.org/10.1021/acs.macromol.2c01196)
- (55) Corsetti, S.; Notaros, M.; Sneh, T.; Stafford, A.; **Page, Z. A.***; Notaros, J.* “Visible-Light Integrated Optical Phased Arrays for Chip-Based 3D Printing.” *Integrated Photonics Research, Silicon and Nanophotonics*, **2022**, IM2B.4. DOI: [10.1364/IPRSN.2022.IM2B.4](https://doi.org/10.1364/IPRSN.2022.IM2B.4)
- (54) Review: Zhang, Q.; Zhou, Y.; Ahmed, M.; Khashab, N. M.; Han, W.*; Wang, H.*; **Page, Z. A.***; Sessler, J. L.* “Anion extractants constructed by macrocycle-based anion recognition.” *J. Mater. Chem. A*, **2022**, *10*, 15297-15308. DOI: [10.1039/D2TA03791B](https://doi.org/10.1039/D2TA03791B)
- (53) Huang, S.-Y.; Wang, H.; Khashab, N. M.; **Page, Z. A.***; Sessler, J. L.* “Polystyrene-Supported Neutral Lithium Receptor for High-Purity LiPF₆ from Simulated Degraded Electrolyte.” *J. Mater. Chem. A*, **2022**, *10*, 14788-14794. DOI: [10.1039/D2TA03220A](https://doi.org/10.1039/D2TA03220A)
- (52) Stevens, L. M.; Tagnon, C.; **Page, Z. A.*** ““Invisible” Digital Light Processing 3D Printing with Near Infrared Light.” *ACS Appl. Mater. Interfaces*, **2022**, *14*, 22912-22920. DOI: [10.1021/acsami.1c22046](https://doi.org/10.1021/acsami.1c22046)
-Highlighted in [3D Printing Industry \(3DPI\)](#) and [AZoNano](#)
- (51) Haris, U.; Plank, J. T.; Li, B.; **Page, Z. A.***; Lippert, A. R.* “Visible Light Chemical Micropatterning Using a Digital Light Processing Fluorescence Microscope.” *ACS Cent. Sci.*, **2022**, *8*, 67-76. DOI: [10.1021/acscentsci.1c01234](https://doi.org/10.1021/acscentsci.1c01234)
- (50) Ju, H.; Zhu, C. N.; Wang, H.*; **Page, Z. A.***; Wu, Z. L.*; Sessler, J. L.*; Huang, F.* “Paper without a trail: Time-dependent encryption using pillar[5]arene-based host-guest invisible ink.” *Adv. Mater.*, **2022**, *34*, 2108163. DOI: [10.1002/adma.202108163](https://doi.org/10.1002/adma.202108163)
- (49) Wang, H.; Jones, L. O.; Hwang, I.; Allen, M.; Tao, D.; Lynch, V. M.; Freeman, B. D.; Khashab, N. M.; Schatz, G. C.*; **Page, Z. A.***; Sessler, J. L.* “Selective Separation of Lithium Chloride by Organogels Containing Strapped Calix[4]pyrroles.” *J. Am. Chem. Soc.*, **2021**, *143*, 20403-20410. DOI: [10.1021/jacs.1c10255](https://doi.org/10.1021/jacs.1c10255)
- (48) Ahn, D.†; Stevens, L. M.†; Zhou, K.; **Page, Z. A.*** “Additives for Ambient 3D Printing with Visible Light.” *Adv. Mater.*, **2021**, *33*, 2104906. DOI: [10.1002/adma.202104906](https://doi.org/10.1002/adma.202104906)
- (47) Allen, M. J.†; Sujanani, R.†; Chamseddine, A.; Freeman, B. D.; **Page, Z. A.*** “Mechanically Robust Hydrophobized Double Network Hydrogels for Water Purification.” *J. Polym. Sci.*, **2021**, *59*, 2581-2589. DOI: [10.1002/pol.20210260](https://doi.org/10.1002/pol.20210260)
-Highlighted in [Early-career investigator special issue](#)
- (46) Review: Lu, P.†; Ahn, D.†; Delafresnaye, L.; Yunis, R.; Corrigan, N.; Boyer, C.*; Barner-Kowollik, C.*; **Page, Z. A.*** “Wavelength Selective Light-Matter Interactions in Polymer Science.” *Matter*, **2021**, *4*, 2172-2229. DOI: [10.1016/j.matt.2021.03.021](https://doi.org/10.1016/j.matt.2021.03.021)
- (45) Review: Lu, P.†; Chung, K.-Y.†; Stafford, A.; Kiker, M.; Kafle, K.; **Page, Z. A.*** “Boron Dipyrromethene (BODIPY) in Polymer Chemistry.” *Polym. Chem.*, **2021**, *12*, 327-348. DOI: [10.1039/D0PY01513J](https://doi.org/10.1039/D0PY01513J)
- (44) Ahn, D.; Stevens, L. M.; Zhou, K.; **Page, Z. A.*** “Rapid High Resolution Visible Light 3D Printing.” *ACS Cent. Sci.*, **2020**, *6*, 1555-1563. DOI: [10.1021/acscentsci.0c00929](https://doi.org/10.1021/acscentsci.0c00929)
-Highlighted in [HepatoChem's The 20 Must Read Photochemistry Papers from 2020](#), [C&E News](#), [First Reactions](#), the [American Chemical Society](#), [ScienceDaily](#), [Phys.org](#), [Chemistry Views](#), [New Atlas](#), [Azo Optics](#), [World Industrial Reporter](#), and [EurekAlert!](#) (September, 2020)
- (43) Stafford, A.; Ahn, D.; Raulerson, E. K.; Chung, K.-Y.; Sun, K.; Cadena, D. M.; Forrister, E. M.; Yost, S. R.; Roberts, S. T.; **Page, Z. A.*** “Catalyst Halogenation Enables Rapid and Efficient Polymerizations with Visible to Far-Red Light.” *J. Am. Chem. Soc.*, **2020**, *142*, 14733-14742. DOI: [10.1021/jacs.0c07136](https://doi.org/10.1021/jacs.0c07136)
- (42) Review: Ji, X.*; Wang, H.; Wang, H.*; Zhao, T.; **Page, Z. A.***; Khashab, N. M.; Sessler, J. L.* “Removal of Organic Micropollutants from Water by Macrocycle-Containing Covalent Polymer Networks.” *Angew. Chem. Int. Ed. Engl.*, **2020**, *59*, 23402-23412. DOI: [10.1002/anie.202009113](https://doi.org/10.1002/anie.202009113)
- (41) Guo, C.; Wang, H.; Lynch, V. M.; Ji, X.*; **Page, Z. A.***; Sessler, J. L.* “Molecular recognition of pyrazine *N,N'*-dioxide using aryl extended calix[4]pyrroles.” *Chem. Sci.*, **2020**, *11*, 5650-5657. DOI: [10.1039/C9SC02843A](https://doi.org/10.1039/C9SC02843A)

[10.1039/D0SC01496F](https://doi.org/10.1039/D0SC01496F)

- (40) Allen, M. J.; **Page, Z. A.*** “Tracking Photocuring via ATR-FT-IR with Illumination through the ATR Element.” *Spectroscopy: Application Notebook*. **2020**, 35, 78. [Link](#)
- (39) Review: Wang, H.; Ji, X.*; **Page, Z. A.***; Sessler, J. L.* “Fluorescent Materials-Based Information Storage.” *Mater. Chem. Front.* **2020**, 4, 1024-1039. [DOI: 10.1039/C9QM00607A](https://doi.org/10.1039/C9QM00607A)

Prior to UT Austin

- (38) Dolinski, N. D.; Callaway, E. B.; Sample, C. S.; Gockowski, L. F.; Chavez, R.; **Page, Z. A.**; Eisenreich, F.; Hecht, S.; Valentine, M. T.; Zok, F. W.; Hawker, C. J.* “Tough Multimaterial Interfaces Through Wavelength-Selective 3D-Printing.” *ACS Appl. Mater. Interfaces*, **2021**, ASAP. [DOI: 10.1021/acsami.1c06062](https://doi.org/10.1021/acsami.1c06062)
- (37) Zhang, Z.; Sheri, M.; **Page, Z. A.**; Emrick, T.*; Saeki, A.*; Liu, Y.*; Russell, T. P.* “Understanding Hole Extraction of Inverted Perovskite Solar Cells.” *ACS Appl. Mater. Interfaces*, **2020**, 12, 56068-56075. [DOI: 10.1021/acsami.0c18108](https://doi.org/10.1021/acsami.0c18108)
- (36) Chen, Q.†; Diaz, Y. J.†; Hawker, M. C.; Martinez, M. R.; **Page, Z. A.**; Zhang, S. X.-A.; Hawker, C. J.; Read de Alaniz, J.* “Stable Activated Furan and Donor-Acceptor Stenhouse Adduct Polymer Conjugates as Chemical and Thermal Sensors.” *Macromolecules*, **2019**, 52, 4370-4375. [DOI: 10.1021/acs.macromol.9b00533](https://doi.org/10.1021/acs.macromol.9b00533)
- (35) Dolinski, N. D.; **Page, Z. A.**; Discekici, E. H.; Meis, D.; Lee, I.-H.; Jones, G. R.; Whitfield, R.; Pan, X.; McCarthy, B. G.; Shanmugam, S.; Kottisch, V.; Fors, B. P.; Boyer, C.; Miyake, G. M.; Matyjaszewski, K.; Haddleton, D. M.; Read de Alaniz, J.; Anastasaki, A.*; Hawker, C. J.* “What happens in the dark? Assessing the temporal control of photo-mediated controlled radical polymerizations.” *J. Polym. Sci. A Polym. Chem.*, **2019**, 57, 268-273. [DOI: 10.1002/pola.29247](https://doi.org/10.1002/pola.29247)
 -Among the top most cited papers in the *Journal of Polymer Science* (2019-2020)
 -Among the top 10% most downloaded papers in Wiley (2018-2019)
- (34) Narupai, B.; **Page, Z. A.**; Treat, N. J.; McGrath, A. J.; Pester, C. W.; Discekici, E. H.; Dolinski, N. D.; Meyers, G. F.; Read de Alaniz, J.; Hawker, C. J.* “Simultaneous Preparation of Multiple Polymer Brushes under Ambient Conditions using μ L Volumes.” *Angew. Chem. Int. Ed. Engl.*, **2018**, 57, 13433-13438. [DOI: 10.1002/anie.201805534](https://doi.org/10.1002/anie.201805534)
- (33) Hemmer, J. R.; **Page, Z. A.**; Clark, K. D.; Stricker, F.; Dolinski, N. D.; Hawker, C. J.; Read de Alaniz, J.* “Controlling Dark Equilibria and Enabling DASA Photoswitching with 700 nm Light Through Carbon Acid Design.” *J. Am. Chem. Soc.*, **2018**, 140, 10425-10429. [DOI: 10.1021/jacs.8b06067](https://doi.org/10.1021/jacs.8b06067)
- (32) Karak, S.; **Page, Z. A.***; Li, S.; Tinkham, J. S.; Lahti, P. M.; Duzhko, V. V.; Emrick, T. T.* “Amino-fulleropyrrolidines as electrochromic additives to enhance organic photovoltaics.” *Sustainable Energy Fuels*, **2018**, 2, 2143-2147. [DOI: 10.1039/c8se00294k](https://doi.org/10.1039/c8se00294k)
- (31) Dolinski, N. D.; **Page, Z. A.**; Callaway, E. B.; Eisenreich, F.; Garcia, R. V.; Chavez, R.; Bothman, D.; Hecht, S.; Zok, F.; Hawker, C. J.* “Solution Mask Liquid Lithography (SMaLL) for One-Step, Multi-Material 3D Printing.” *Adv. Mater.*, **2018**, 30, 1800364. [DOI: 10.1002/adma.201800364](https://doi.org/10.1002/adma.201800364)
- (30) McDearmon, B.; **Page, Z. A.**; Chabynyc, M. L.*; Hawker, C. J.* “Organic Electronics by Design: The Power of Minor Atomic and Structural Changes.” *J. Mater. Chem. C*, **2018**, 6, 3564-3572. [DOI: 10.1039/C7TC05052F](https://doi.org/10.1039/C7TC05052F)
- (29) Liu, Y.; **Page, Z. A.**; Zhou, D.; Duzhko, V. V.; Kittilstved, K. R.; Emrick, T.*; Russell, T. P.* “Chemical Stabilization of Perovskite Solar Cells with Functional Fulleropyrrolidines.” *ACS Cent. Sci.*, **2018**, 4, 216-222. [DOI: 10.1021/acscentsci.7b00454](https://doi.org/10.1021/acscentsci.7b00454)
- (28) Niu, J.; **Page, Z. A.**; Dolinski, N. D.; Anastasaki, A.; Hsueh, A. T.; Soh, H. T.; Hawker, C. J.* “Rapid Visible Light-Mediated Controlled Aqueous Polymerization with *in situ* Monitoring.” *ACS Macro Lett.*, **2017**, 6, 1109-1113. [DOI: 10.1021/acsmacrolett.7b00587](https://doi.org/10.1021/acsmacrolett.7b00587)
- (27) Cowart, J. S.; Liman, C.; Garnica, A.; **Page, Z. A.**; Lim, E.; Zope, R. R.; Baruah, T.; Hawker, C. J.; Chabynyc, M. L.* “Donor-Fullerene Dyads for Energy Cascade Organic Solar Cells.” *Inorg. Chim. Acta*, **2017**, 468, 192-202. [DOI: 10.1016/j.ica.2017.07.008](https://doi.org/10.1016/j.ica.2017.07.008)
- (26) Liu, Y.; Renna, L. A.; Thompson, H. B.; **Page, Z. A.**; Emrick, T.; Barnes, M. D.; Bag, M.; Venkataraman, D.*; Russell, T. P.* “Role of Ionic Functional Groups on Ion Transport at Perovskite Interfaces.” *Adv. Energy Mater.*, **2017**, 7, 1701235. [DOI: 10.1002/aenm.201701235](https://doi.org/10.1002/aenm.201701235)

- (25) Ulrich, S.†; Hemmer, J. R.†; **Page, Z. A.**; Dolinski, N. D.; Rifaie-Graham, O.; Bruns, N.; Hawker, C. J.; Boesel, L. F.*; Read de Alaniz, J.* “Visible Light-Responsive DASA-Polymer Conjugates.” *ACS Macro Lett.*, **2017**, *6*, 738-742. DOI: [10.1021/acsmacrolett.7b00350](https://doi.org/10.1021/acsmacrolett.7b00350)
- (24) **Page, Z. A.**; Narupai, B.; Pester, C. W.; Bou Zerdan, R.; Sokolov, A.; Laitar, D. S.; Mukhopadhyay, S.; Sprague, S.; McGrath, A. J.; Kramer, J. W.; Trefonas, P.; Hawker, C. J.* “Novel Strategy for Photopatterning Emissive Polymer Brushes for Organic Light Emitting Diode Applications.” *ACS Cent. Sci.*, **2017**, *3*, 654-661. DOI: [10.1021/acscentsci.7b00165](https://doi.org/10.1021/acscentsci.7b00165)
-Highlighted in [ScienceDaily](#), [EurekAlert!](#), [ECN Magazine](#), and [Phys.org](#) (June, 2017)
- (23) Duzhko, V. V.*; Dunham, B.; Rosa, S.; Cole, M. D.; Paul, A.; **Page, Z. A.**; Dimitrakopoulos, C.; Emrick, T.* “N-doped Zwitterionic Fullerenes as Interlayers in Organic and Perovskite Photovoltaic Devices.” *ACS Energy Lett.*, **2017**, *2*, 957-963. DOI: [10.1021/acsenerylett.7b00147](https://doi.org/10.1021/acsenerylett.7b00147)
- (22) **Page, Z. A.**; Chiu, C.-Y.; Narupai, B.; Laitar, D. S.; Mukhopadhyay, S.; Sokolov, A.; Hudson, Z. M.; Bou Zerdan, R.; McGrath, A. J.; Kramer, J.; Hawker, C. J.* “Highly Photoluminescent Non-Conjugated Polymers for Single-Layer Light Emitting Diodes.” *ACS Photonics*, **2017**, *4*, 631-641. DOI: [10.1021/acsp Photonics.6b00994](https://doi.org/10.1021/acsp Photonics.6b00994)
- (21) Dolinski, N. D.†; **Page, Z. A.***†; Eisenreich, F.; Niu, J.; Hecht, S.; Read de Alaniz, J.; Hawker, C. J.* “A Versatile Approach for in situ Monitoring of Photoswitches and Photopolymerizations using NMR Spectroscopy.” *ChemPhotoChem*, **2017**, *1*, 125-131. DOI: [10.1002/cptc.201600045](https://doi.org/10.1002/cptc.201600045)
- (20) Diaz, Y. J.; **Page, Z. A.**; Knight, A. S.; Treat, N. J.; Hemmer, J. R.; Hawker, C. J.*; Read de Alaniz, J.* “A Versatile and Highly Selective Colorimetric Sensor for Detection of Amines.” *Chem. Eur. J.*, **2017**, *23*, 3562-3566. DOI: [10.1002/chem.201700368](https://doi.org/10.1002/chem.201700368)
- (19) Sample, C.; Goto, E.; Verma, N.; **Page, Z. A.**; Luo, Y.; Hawker, C. J.* “Modular Synthesis of Asymmetric Rylene Derivatives.” *J. Mater. Chem. C*, **2017**, *5*, 1052-1056. DOI: [10.1039/c6tc05139a](https://doi.org/10.1039/c6tc05139a)
- (18) **Page, Z. A.**†; Bou Zerdan, R.†; Gutekunst, W. R.; Anastasaki, A.; Seo, S.; McGrath, A. J.; Lunn, D. J.; Clark, P. G.; Hawker, C. J.* “A di-tert-Butyl Acrylate Monomer for Controlled Radical Photopolymerization.” *J. Polym. Sci. A Polym. Chem.*, **2017**, *55*, 801-807. DOI: [10.1002/pola.28443](https://doi.org/10.1002/pola.28443)
- (17) Liu, Y.; Duzhko, V. V.; **Page, Z. A.**; Emrick, T.*; Russell, T. P.* “Conjugated Polymer Zwitterions: Efficient Interlayer Materials in Organic Electronics.” *Acc. Chem. Res.*, **2016**, *49*, 2478-2488. DOI: [10.1021/acs.accounts.6b00402](https://doi.org/10.1021/acs.accounts.6b00402)
- (16) Hemmer, J. R.; Poelma, S. O.; Treat, N.; **Page, Z. A.**; Dolinski, N. D.; Diaz, Y. J.; Tomlinson, W.; Clark, K. D.; Hooper, J. P.; Hawker, C.; Read de Alaniz, J.* “Tunable Visible and Near Infrared Photoswitches.” *J. Am. Chem. Soc.*, **2016**, *138*, 13960-13966. DOI: [10.1021/jacs.6b07434](https://doi.org/10.1021/jacs.6b07434)
- (15) Liu, Y.; Renna, L. A.; **Page, Z. A.**; Thompson, H. B.; Barnes, M. D.; Emrick, T.*; Venkataraman, D.*; Russell, T. P.* “A Polymer Hole Extraction Layer for Inverted Perovskite Solar Cells from Aqueous Solutions.” *Adv. Energy Mater.*, **2016**, *6*, 1600664. DOI: [10.1002/aenm.201600664](https://doi.org/10.1002/aenm.201600664)
- (14) Liu, Y.; Renna, L. A.; Bag, M.; **Page, Z. A.**; Kim, P.; Choi, J.; Emrick, T.*; Venkataraman, D.*; Russell, T. P.* “High Efficiency Tandem Thin-Perovskite/Polymer Solar Cells with a Graded Recombination Layer.” *ACS Appl. Mater. Interfaces*, **2016**, *8*, 7070-7076. DOI: [10.1021/acsami.5b12740](https://doi.org/10.1021/acsami.5b12740)
- (13) **Page, Z. A.**; Liu, Y.; Puodziukynaite, E.; Russell, T. P.; Emrick, T.* “Hydrophilic Conjugated Polymers Prepared by Aqueous Horner-Wadsworth-Emmons Coupling.” *Macromolecules*, **2016**, *49*, 2526-2532. DOI: [10.1021/acs.macromol.5b02501](https://doi.org/10.1021/acs.macromol.5b02501)
- (12) Lee, H.*; Stephenson, J. C.; Richter*, L. J.; McNeil, C. R.; Gann, E.; Thomsen, L.; Park, S.; Jeong, J.; Yi, Y.; DeLongchamp, D. M.; **Page, Z. A.**; Puodziukynite, E.; Emrick, T.; Briseno, A. L.* “The Structural Origin of Electron Injection Enhancements with Fulleropyrrolidine Interlayers.” *Adv. Mater. Interf.*, **2016**, *3*, 1500852. DOI: [10.1002/admi.201500852](https://doi.org/10.1002/admi.201500852)
- (11) Liu, Y.; Bag, M.; Renna, L. A.; **Page, Z. A.**; Kim, P.; Emrick, T.*; Venkataraman, D.*; Russell, T. P.* “Understanding Interface Engineering for High-Performance Fullerene/Perovskite Planar Heterojunction Solar Cells.” *Adv. Energy Mater.*, **2016**, *6*, 1501606. DOI: [10.1002/aenm.201501606](https://doi.org/10.1002/aenm.201501606)
- (10) Liu, Y.; **Page, Z. A.**; Ferdous, S.; Liu, F.; Kim, P.; Emrick, T.*; Russell, T.* “Dual Functional Zwitterionic Fullerene Interlayer for Efficient Inverted Polymer Solar Cells.” *Adv. Energy Mater.*, **2015**, *5*, 1500405. DOI: [10.1002/aenm.201500405](https://doi.org/10.1002/aenm.201500405)
- (9) Karak, S.; **Page, Z. A.**; Tinkham, J. S.; Lahti, P. M.; Emrick, T.; Duzhko, V. V.* “Raising Efficiency of

- Organic Solar Cells with Electrotropic Additives." *Appl. Phys. Lett.*, **2015**, *106*, 103303. DOI: [10.1063/1.4914847](https://doi.org/10.1063/1.4914847)
- (8) Liu, Y.[†]; **Page, Z. A.**[†]; Russell, T. P.*; Emrick, T.* "Finely Tuned Polymer Interlayers Enhance Solar Cell Efficiency." *Angew. Chem. Int. Ed. Engl.*, **2015**, *54*, 11485-11489. DOI: [10.1002/anie.201503933](https://doi.org/10.1002/anie.201503933)
- (7) **Page, Z.**; Liu, F.; Russell, T. P.; Emrick, T.* "Tuning the Energy Gap of Conjugated Polymer Zwitterions for Efficient Interlayers in Solar Cells." *J. Polym. Sci. A Polym. Chem.*, **2015**, *53*, 327-336. DOI: [10.1002/pola.27349](https://doi.org/10.1002/pola.27349)
- (6) **Page, Z.**[†]; Liu, Y.[†]; Duzhko, V. V.*; Russell, T. P.*; Emrick, T.* "Fulleropyrrolidine Interlayers: Tailoring Electrodes to Raise Organic Solar Cell Efficiency." *Science*, **2014**, *346*, 441-444. DOI: [10.1126/science.1255826](https://doi.org/10.1126/science.1255826)
-Highlighted in [ScienceDaily](#), [PhotonicsMedia](#), and [Phy.org](#) (September, 2014)
- (5) **Page, Z.**; Liu, F.; Russell, T. P.; Emrick, T.* "Rapid, facile synthesis of conjugated polymer zwitterions in ionic liquids." *Chem. Sci.*, **2014**, *5*, 2368-2373. DOI: [10.1039/c4sc00475b](https://doi.org/10.1039/c4sc00475b)
- (4) Liu, F.[†]; **Page, Z.**[†]; Duzhko, V. V.*; Russell, T. P.*; Emrick, T.* "Conjugated Polymeric Zwitterions as Efficient Interlayers in Organic Solar Cells." *Adv. Mater.*, **2013**, *25*, 6868-6873. DOI: [10.1002/adma.201302477](https://doi.org/10.1002/adma.201302477)
- (3) **Page, Z.**; Duzhko, V. V.; Emrick, T.* "Conjugated Thiophene-Containing Polymer Zwitterions: Direct Synthesis and Thin Film Electronic Properties." *Macromolecules*, **2013**, *46*, 344-351. DOI: [10.1021/ma302232q](https://doi.org/10.1021/ma302232q)
- (2) Lee, E.; Hammer, B.; Kim, J.-K.; **Page, Z.**; Emrick, T.*; Hayward, R. C.* "Hierarchical Helical Assembly of Conjugated Poly(3-hexylthiophene)-block-poly(3-triethylene glycol thiophene) Diblock Copolymers." *J. Am. Chem. Soc.*, **2011**, *133*, 10390-10393. DOI: [10.1021/ja2038547](https://doi.org/10.1021/ja2038547)
- (1) Sudeep, P.K.; **Page, Z.**; Emrick, T.* "PEGylated silicon nanoparticles: synthesis and characterization." *Chem. Commun.*, **2008**, *46*, 6126-6127. DOI: [10.1039/b813025f](https://doi.org/10.1039/b813025f)

[†]Equal contributors; *Corresponding author

PATENTS

- (20) **Page, Z. A.**; Uddin, A. "Onium Salts as Photocages and Methods of Using the Same." U.S. Provisional Patent Application No. 63/563,072 filed March 8, **2024**.
- (19) **Page, Z. A.**; Sessler, J. L.; Mason, K. S.; Huang, S.-Y. "3D Printed Porous Supramolecular Sorbents." U.S. Provisional Patent Application No. 63/531,908 filed August 10, **2023**.
- (18) **Page, Z. A.**; Cater, H. L.; Mason, K. S. "Thermoplastic Elastomer and Method for the Manufacture Thereof." U.S. Provisional Patent Application No. 63/531,827 filed August 10, **2023**.
- (17) **Page, Z. A.**; Allen, M. J.; Kim, J.-W. "Photocurable Composition for Multi-Material 3D Printing" U.S. Provisional Patent Application No. 63/529,534 filed July 28, **2023**.
- (16) **Page, Z. A.**; Chung, K.-Y. "Alkylated BODIPY Compound and Methods of Using the Alkylated BODIPY Compound" U.S. Provisional Patent Application No. 63/523,426 filed June 27, **2023**.
- (15) Redline, E. M.; Staiger, C.; Foster, J. C.; Dugger, J. W.; Kiker, M.; **Page, Z. A.** "Crosslinked Polymers with Tunable Coefficients of Thermal Expansion" U.S. Provisional Patent Application No. 63/455,836 filed March 30, **2023**.
- (14) Sessler, J.; **Page, Z. A.**; Huang, S.-Y.; Wang, H. "Functionalized Resins for Lithium Capture" International Patent Application No. PCT/US2023/068737 filed June 20, **2023**.
- (13) **Page, Z. A.**; Rylski, A.. "Cyclic Olefin Polymer Having High Cis Double Bond Content" International Patent Application No. PCT/US2023/021797 filed May 11, **2023**.
- (12) Sessler, J.; **Page, Z. A.**; Wang, H. "Lithium Selective Organogels" U.S. Patent Application No. 17/816270 filed July 29, **2022**.
- (11) **Page, Z. A.**; Ahn, D.; Stafford, A. "Photocurable Compositions and Methods of Use Thereof" International Patent Application No. PCT/US2021/039331 filed June 28, **2021**
- (10) Hawker, C. J.; Dolinski, N.; **Page, Z. A.** "Solution Mask Liquid Lithography (SMaLL) for Three-Dimensional Printing" U.S. Provisional Patent Application No. 62/634,552 filed February 23, **2018**.
- (9) Hawker, C. J.; **Page, Z. A.**; Sokolov, A. N.; Kramer, J.; Trefonas III, P.; Laitar, D. S. "Photopatterned

- Growth of Electronically Active Brush Polymers for Light Emitting Diode Displays" U.S. Patent No. 10,211,400 filed March 31, **2017**.
- (8) Hawker, C. J.; **Page, Z. A.**; Sokolov, A. N.; Kramer, J.; Trefonas III, P.; Laitar, D. S. "Photopatterned Growth of Electronically Active Brush Polymers for Light Emitting Diode Displays" U.S. Patent No. 10,228,619 filed March 31, **2017**.
- (7) **Page, Z. A.**; Liu, Y.; Russell, T. P.; Emrick, T. "Hydrophilic conjugated polymers, and methods, of preparation and use thereof" U.S. Patent No. 10,147,553 filed March 13, **2017**.
- (6) Venkataraman, D.; Renna, L. A.; Liu, Y.; **Page, Z. A.**; Emrick, T.; Russell, T. P. "Perovskite Memristors Using Zwitterionic Polymers as Charge Trapping Layers, and Methods of Preparation and Use Thereof" U.S. Provisional Patent Application No. 62/462,977 filed February 24, **2017**.
- (5) Liu, Y.; **Page, Z. A.**; Emrick, T.; Russell, T. P. "Perovskite-Containing Solar Cells Comprising Fulleropyrrolidine Interlayers" U.S. Patent Application No. 15/335,918 filed October 27, **2016**.
- (4) Read de Alaniz, J.; Hawker, C.; Hemmer, J.; Diaz, Y.; Knight, A. S.; Treat, N. J.; **Page, Z. A.**; Margalith, T. "Colorimetric Sensors and Methods of Using Colorimetric Sensors" U.S. Patent Application No. 16/343,907 filed October 20, **2016**.
- (3) Read de Alaniz, J.; Hemmer, J.; **Page, Z. A.**; Poelma, S. O.; Treat, N. J.; Helmy, S. "Negative Photochromic Materials with Tunable Properties" International Patent Application No. PCT/US2017/029594 filed April 26, **2017**.
- (2) **Page, Z. A.**; Liu, Y.; Russell, T. P.; Emrick, T. "Conjugated Polymer Zwitterions and Solar Cells Comprising Conjugated Polymer Zwitterions" U.S. Patent No. 9,991,443 filed February 29, **2016**.
- (1) **Page, Z. A.**; Liu, Y.; Russell, T. P.; Emrick, T. "Functional Interlayers of Fullerene Derivatives and Applications in Organic Solar Cells" U.S. Patent No. 10,056,554 filed May 6, **2015**.

ORAL PRESENTATIONS

- (54) University of Massachusetts Amherst, PSE Seminar, *Amherst, MA* ([invited](#)) 2024.04.12
- (53) University of Maine Organic Chemistry Seminar, *virtual* ([invited](#)) 2024.03.26
- (52) ACS National Meeting (DoD Symposium on PMSE Excellence), *New Orleans, LA* ([invited](#)) 2024.03.18
- (51) ACS National Meeting, *New Orleans, LA* ([invited](#)) 2024.03.18
- (50) Office of the Under Secretary of Defense Basic Research Forum, *virtual* ([invited](#)) 2023.12.14
- (49) Stanford University Organic Chemistry Seminar, *Stanford, CA* ([invited](#)) 2023.12.06
- (48) University of California, Berkeley Organic Chemistry Seminar, *Berkeley, CA* ([invited](#)) 2023.12.05
- (47) MRS International Meeting, *Boston, MA* ([invited](#)) 2023.11.29
- (46) California Institute of Technology Organic Chemistry Seminar, *Pasadena, CA* ([invited](#)) 2023.11.15
- (45) The University of Chicago PME Colloquium, *Chicago, IL* ([invited](#)) 2023.11.09
- (44) Northwestern University Chemistry Colloquium, *Evanston, IL* ([invited](#)) 2023.11.08
- (43) Cornell University Chemistry Colloquium, *Ithaca, NY* ([invited](#)) 2023.10.19
- (42) International Liquid Crystal Elastomer Conference, *Boulder, CO* ([invited](#)) 2023.10.10
- (41) Photopolymerization Fundamentals Meeting, *Boulder, CO* ([invited](#)) 2023.09.21
- (40) MIT Program in Polymers and Soft Matter Seminar, *Cambridge, MA* ([invited](#)) 2023.09.06
- (39) SNU Online Seminar Series on Polymer Chemistry, *virtual* ([invited](#)) 2023.08.16
- (38) ACS National Meeting, *San Francisco, CA* ([invited](#)) 2023.08.13
- (37) NSF REU Research Seminar, *virtual* ([invited](#)) 2023.07.25
- (36) PPG Technical Seminar, *virtual* ([invited](#)) 2023.05.16
- (35) ACS National Meeting, *Indianapolis, IN* ([invited](#)) 2023.03.23
- (34) Evonik Industries, Technical Forum, *virtual* ([invited](#)) 2023.02.27
- (33) Deep Science Fund, Technical Forum, *virtual* ([invited](#)) 2023.02.09
- (32) Society of Engineering Science Annual Technical Meeting, *College Station, TX* ([invited](#)) 2022.10.17
- (31) Center for Additive Manufacturing and Design Innovation Seminar, *Austin, TX* ([invited](#)) 2022.09.23
- (30) ACS National Meeting, *Chicago, IL* ([invited](#)) 2022.08.24
- (29) ACS National Meeting, *Chicago, IL* ([invited](#)) 2022.08.23
- (28) GRC, Additive Manufacturing of Soft Materials, *Ventura, CA* ([invited](#)) 2022.08.10
- (27) Sandia National Laboratories Seminar, *Albuquerque, NM* ([invited](#)) 2022.07.18
- (26) AFOSR Organic Materials Chemistry Program Review, *Dayton, OH* ([invited](#)) 2022.06.13
- (25) International Chemical Congress of Pacific Basin Societies (PAC CHEM™), *virtual* ([invited](#)) 2021.12.18

(24)	3M Technical Forum Seminar, <i>virtual</i> (<u>invited</u>)	2021.11.05
(23)	ACS Southwest Regional Meeting, <i>Austin, TX</i> (<u>invited</u>)	2021.11.02
(22)	Sewanee: The University Of The South, <i>virtual</i> (<u>invited</u>)	2021.10.22
(21)	Center for Dynamics and Control of Materials, NSF MRSEC. <i>Austin, TX</i> (<u>invited</u>)	2021.10.05
(20)	Center for Selective Separations of Metals (CSSM) an NSF CCI, <i>virtual</i> (<u>invited</u>)	2021.08.19
(19)	NSF REU Research Seminar, <i>virtual</i> (<u>invited</u>)	2021.07.13
(18)	MRSEC REU Research Seminar, <i>virtual</i> (<u>invited</u>)	2021.07.08
(17)	RadLaunch Award Ceremony, <i>virtual</i> (<u>invited</u>)	2021.04.28
(16)	NASCENT Seminar Series, <i>virtual</i> (<u>invited</u>)	2021.03.26
(15)	Center for Dynamics and Control of Materials, NSF MRSEC. <i>Austin, TX</i> (<u>invited</u>)	2020.01.23
(14)	Next Generation Smart Materials Workshop. <i>Savannah, GA</i> (<u>invited</u>)	2019.12.17
(13)	3M Technical Forum. <i>Maplewood, MN</i> (<u>invited</u>)	2019.09.04
(12)	ACS National Meeting. <i>San Diego, CA</i> (<u>invited</u>)	2019.08.27
(11)	ACS National Meeting. <i>San Diego, CA</i> (<u>invited</u>)	2019.08.26
(10)	International Conference on Polymers for Advanced Technologies, <i>College Station, TX</i> (<u>invited</u>)	2019.08.09
(9)	GPC 2019. <i>New Orleans, LA</i> (<u>invited</u>)	2019.07.11
(8)	Austin Community College, Green Energy at Texas. <i>Austin, TX</i> (<u>invited</u>)	2019.04.16
(7)	ACS National Meeting. <i>Orlando, FL</i> (<u>invited</u>)	2019.04.04
(6)	Texas State University. <i>San Marcos, TX</i> (<u>invited</u>)	2019.03.25
(5)	Oak Ridge National Lab. <i>Oak Ridge, TN</i> (<u>invited</u>)	2019.03.19
(4)	ACS National Meeting. <i>Boston, MA</i> (<u>selected</u>)	2018.08.20
(3)	ACS National Meeting. <i>New Orleans, LA</i> (<u>selected</u>)	2018.03.19
(2)	ACS National Meeting. <i>San Francisco, CA</i> (<u>selected</u>)	2017.04.05
(1)	ACS National Meeting. <i>San Francisco, CA</i> (<u>selected</u>)	2017.04.04

RESEARCHERS SUPERVISED

Current

Postdoctoral Researchers: Ji-Won Kim, Jaechul Ju, Hyeong Seok Kim, Suer Kurklu Kocaoglu, and Xiaofeng Chen

Graduate Students: Henry Cater, Lynn Stevens, Meghan Kiker, Keldy Mason, Connor O'Dea, Yutong Liu, Yudian Wu, Ning (Joy) Zhou, Elizabeth Recker, Holden Robinson, and Nirvana Almada

Undergraduate Students: Benjamin Saada, Vincent Garcia, Emma Comer, Audrie Ibanez, and Madison Handojo, William Zhao

Prior

Postdoctoral Researchers: Dowon Ahn, Pengtao Lu, Nayera Abdelaziz, Jinwon Seo, Hu Wang, and Ain Uddin

Graduate Students (now PhD): Adrian Rylski, Kun-You Chung, Marshall Allen, and Alex Stafford

Undergraduate Students: Katia Petrosky, Hope Silva, Kaihong Sun, Christian Schonhoeft, Alyssa Chamseddine, Jin Young Yoo, Iana Balynska, Brandon Clarke, Jacob Sass, Surya Karkada, Justin Ong, Kristina Kafle, Derek Ye, Clotilde Tagnon, Carter Burns, Mark Linnell, Jeffrey Liu, Kevin Zhou, Jeffrey Liu, Madison Ross, and Tejas Maraliga

TEACHING EXPERIENCE

CH320M/328M: Organic Chemistry, Part I	Fall 2018/'19/'20/'21/'22
CH320N/328N: Organic Chemistry, Part II	Spring 2024
CH367L/391/CHE355: Macromolecular Chemistry	Spring 2020/'21
CH375P/393P & CHE 379/384T: Advanced Polymer Synthesis	Spring 2022/'23
CH108: Texas Undergraduate Mentoring System (TUMS)	Fall 2020/'21/'22
CH204/NSC109/CH369K: Freshman Research Initiative (FRI)	2021-

SERVICE TO THE FIELD

- Symposium Organizer: 265th ACS National Meeting, Indianapolis, IN (Sp'23); 263rd ACS National Meeting, San Diego, CA (Sp'22)
- Board of Reviewing Editors for *Science* (AAAS) (2024-present)
- Guest Editor: Special issue in *Macromolecular Chemistry and Physics* (2023)
- Grant Reviewer: *National Science Foundation, Army Research Office, Air Force Office of Scientific*

- Research, American Chemical Society Petroleum Research Fund (2019-present)
- Invited Speaker/Panelist: DoD YIP Information Session Panelist (2022), Careers in Academia Panel through the MRSEC at UT Austin (2021), NASCENT Seminar Series (2021), College of Natural Sciences Dean's Scholars Program (2019), Science Undergraduates Research Group at UT Austin (2019)
 - Judge: Symposium for Undergraduate Research Exploration (2021), Austin Energy Regional Science Festival (2019/'21), GPC Conference (2019), 258th ACS National Meeting (2019), Next Generation Smart Materials Workshop (2019), 257th ACS National Meeting (2019), Undergraduate Research Symposium (2018)
 - Session Chair: International Chemical Congress of Pacific Basin Societies (PAC CHEM™) (2021), 257th ACS National Meeting (2019), International Conference on Polymers for Advanced Technologies (2019), Center for Electrochemistry Annual Workshop on Electrochemistry (2019), 257th ACS National Meeting (2019), 256th ACS National Meeting (2018)
 - Faculty Coordinator: Chemistry department safety committee chair (2022, '23, '24), graduate student candidacy unification committee chair (2022), graduate admissions chair (2022, '23, '24), PI of Freshman Research Initiative at UT Austin (2021-present), Capstone Course development for undergraduate chemistry research majors (2021), initiated TUMS (CH108) a one-credit course on peer-mentorship (2019-present), updated Organic Chemistry Lab curriculum at UT Austin (2019-2022), oversaw the Student Leadership Council for the NSF MRSEC at UT Austin (2019-2022), graduate student wellness committee in chemistry (2019-2022), laboratory safety advisory committee at UT Austin (2019-2020), initiated polymer science and engineering laboratory course (CHE 395E) (2018).
 - Reviewer: Science, Nature, Nature Materials, Advanced Materials, Journal of the American Chemical Society, Angewandte Chemie, Advanced Functional Materials, ACS Nano, Chemical Science, Nature Communications, Small, Nano Letters, ACS Macro Letters, Macromolecules, ACS Applied Materials & Interfaces, ACS Catalysis, Organic Letters, Polymer Chemistry, ACS Polymers Au, Additive Manufacturing, Journal of Polymer Science, Macromolecular Rapid Communications, ACS Applied Polymer Materials, ChemPhotoChem, Polymer, Materials Today Chemistry, Communications Materials, Industrial & Engineering Chemistry Research, Scientific Reports, Macromolecular Chemistry and Physics, European Polymer Journal, Molecular Systems Design & Engineering