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Education:

- 2007 – 2008 Postdoctoral Research Associate, Department of Chemistry, University of Washington Seattle
Advisors: Professors Younan Xia and Xingde Li
- 2002 – 2006 Ph.D., Department of Chemistry, University of Illinois at Urbana – Champaign
Awarded 2007 Thesis: *Porous Materials Prepared by Ultrasonic Spray Pyrolysis*
Advisor: Professor Kenneth S. Suslick
- 1998 – 2002 B. A., Department of Chemistry, Washington University in St. Louis (Summa cum Laude)
Advisors: Professors William E. Buhro and Dewey Holten

Appointments:

- S. 2024 – Robert & Marjorie Mann Chair, Department of Chemistry, Indiana University – Bloomington
F. 2022 – Director, NSF Center for Single-Entity Nanochemistry and Nanocrystal Design
S. 2017 – Professor of Chemistry, Indiana University – Bloomington
S. 2017 – Adjunct Professor of Intelligent Systems Engineering, Indiana University – Bloomington
S. 2015 – James H. Rudy Professor, Indiana University – Bloomington
Appointed by the Provost of Indiana University
S. 2014 – S. 2017 Associate Professor of Chemistry, Indiana University – Bloomington
F. 2008 – S. 2014 Assistant Professor of Chemistry, Indiana University – Bloomington
S. 2007 – S. 2008 Post-doctoral Research Fellow, University of Washington – Seattle (Y. Xia, X. Li)
F. 2002 – F. 2006 Research and Teaching Assistant, University of Illinois at Urbana – Champaign (K. S. Suslick)
S. 2005 Research Assistant, Argonne National Laboratory (C. Marshall)
F. 2000 – S. 2002 Research Assistant, Washington University in St. Louis (W. E. Buhro)
S. 1999 – S. 2000 Research Assistant, Washington University in St. Louis (D. Holten)

Sabbatical Stays:

- S. 2024 Host Institution: EPFL (Laboratory of Francesco Stellacci), Lausanne, Switzerland
S. 2018 Host Institution: CIC biomaGUNE (Laboratory of Luis Liz-Marzan), San Sebastian, Spain

Editorial Positions:

- 2020 - Editor-in-Chief, ACS Journal *Chemistry of Materials*
2020 - Editor-in-Chief, ACS Journal *ACS Materials Letters*
2018 - 20 Associate Editor, RSC Journal *Nanoscale Advances*
2017 - 20 Associate Editor, RSC Journal *Nanoscale*

Honors and Awards:

- 2024 Robert & Marjorie Mann Chair, Department of Chemistry, Indiana University – Bloomington
2024 - 8 Mercator Fellow, Collaborative Research Center “Design of Particulate Products” Friedrich-Alexander-Universität Erlangen-Nürnberg
2022 Distinguished Mentor Award, College of Arts & Sciences, Indiana University - Bloomington
2022 *Nanoscale Horizons* Award for best 2021 Communication
2021 Finalist, Blavatnik National Awards for Young Scientists, Blavatnik Family Foundation and New York Academy of Sciences
2021 Crano Award, Akron Section of the American Chemical Society
2020 Fellow, American Association for the Advancement of Science

2020	Senior Science Advisor, Defense Civilian Auxillary Corps, National Security Innovation Networks
2020 - 4	Mercator Fellow, Collaborative Research Center "Design of Particulate Products" Friedrich-Alexander-Universität Erlangen-Nürnberg
2017	Frontiers in Research Excellence & Discovery (FRED) Award, Research Corporation for Science Advancement
2017	Fellow, John Simon Guggenheim Memorial Foundation
2017 - 8	Fulbright U.S. Scholar, Host Institution: CIC biomaGUNE, San Sebastian, Spain
2016	Magomedov-Shcherbinina Memorial Prize, University of Rochester, Department of Chemistry
2015	Leo Hendrik Baekeland Award, North Jersey Section of the American Chemical Society
2015	James H. Rudy Professorship, Indiana University – Bloomington
	Appointed by the Provost of Indiana University
2015	Scialog Collaborative Innovation Award, Research Corporation for Science Advancement
2014	Camille Dreyfus Teacher-Scholar Award
2014	National ACS Award in Pure Chemistry sponsored by Alpha Chi Sigma Fraternity and Academic Foundation
2013	Dean's Fellow, College of Arts & Sciences, Indiana University – Bloomington
2013	DOE Early Career Award, Basic Energy Sciences
2013	Alfred P. Sloan Research Fellow
2013	Indiana University's Provost Travel Award for Women in Science
2012	Indiana University's Trustee Teaching Award
2012	ACS Global Research Experiences, Exchanges and Training (GREET) Program Awardee
2012	IMI-SEE Travel Award to attend IUMRS ICYRAM, Singapore
2012	Cottrell Scholar Award – Research Corporation for Science Advancement
2010	NSF CAREER Award, Division of Materials Research
2006	T. S. Piper Thesis Research Award, University of Illinois at Urbana – Champaign
2002	Sowden Award for Best Undergraduate Research, Washington University in St. Louis
2000	Semiconductor Research Corp. Undergraduate Grant Recipient

Current and Previous Research Funding:

2025-2028	NSF DMR SSMC, "Design Principles for Structurally Diverse Bismuth-Containing Heteroanionic Materials" PI (Co-PI: Alexandar Georgescu) Total: \$550,000 (direct + indirect); Skrabalak portion: \$325,586
2025-2030	NSF CHE Centers for Chemical Innovation Phase II, "NSF Center for Single-Entity Nanochemistry and Nanocrystal Design" PI (Faculty Associates: Lane Baker, Graeme Henkelman, Katherine Willets, Xin Yan, Xingchen Ye, Andrea Pickel, Ricardo Vazquez, Christina Li, David Masiello, Eric Stach, Paul Kenis) Total: 3.8 million in year 1, with 2-5 TBD (direct + indirect) – historical award amount has been \$20 million; Skrabalak year 1 portion: \$440,780
2025-2028	NSF CHE MSN, "A General Nanoparticle Conversion Pathway to High Entropy Alloy and Intermetallic Nanoparticles and Polyelemental Heterostructures" Total: \$550,655 (direct + indirect)
2025-2027	ACS-PRF, "High-throughput Nanoparticle Catalyst Screening for Electrocatalytic Hydrogenation Reactions in Aqueous Media" Total: \$125,000 (direct)
2022-2023	Indiana University – Bloomington, Bridge Funding, "High-Throughput Screening of Single Nanocrystal Properties" PI (Co-PI: Xingchen Ye) Total: \$81,743
2022	Indiana University – Bloomington, Research Equipment Fund, "Acquisition of a Differential Electrochemical Mass Spectrometer" PI (Co-PI: Xingchen Ye) Total: \$76,364 (direct)
2022-2025	NSF CHE Centers for Chemical Innovation, "CCI Phase I: NSF Center for Single-Entity Nanochemistry and Nanocrystal Design" PI (Faculty Associates: Lane Baker, Graeme Henkelman, Katherine Willets, Xin Yan, Xingchen Ye)

Total: \$1.8 million (direct + indirect); Skrabalak portion: \$333,643
 2022-2025 NSF CHE MSN, "Nanocrystal Conversion Pathways for the Synthesis of Multimetallic Nanostructures"
 Total: \$465,000 (direct + indirect)
 2022-2024 Institute for Advanced Study, Indiana University – Bloomington, "Between Materiality and Agency: Upcycling Limestone Waste as an Alternative Building Material"
 Co-PI (PI: Jeeyea Kim, IU Architecture + Design)
 Total: \$13,000 (direct) – *Returned due to PI's Medical Leave*
 2021-2025 NSF DMR SSMC, "Synthesis of New Intergrowth and Nanostructured Metal Oxyhalide Photocatalysts"
 Total: \$515,148 (direct + indirect)
 1-year no-cost extension
 2019-2022 NSF CHE MSN, "Strategies toward Hierarchy and Compositional Complexity in Metal Nanocrystal Synthesis"
 Total: \$474,805 (direct + indirect)
 2018-2021 DOE BES Catalysis Science, "Dynamics and Stain-Engineering of Multimetallic Nanocatalysts"
 Total: \$443,436 (direct + indirect)
 2018-2020 Indiana's Applied Research Institute, Inc., "Achieving Scientifically Secured User Reassurance in Electronics (ASSURE)"
 Co-PI (PI: Bermel, Purdue University)
 Total: \$2,300,000 (10% overhead); Skrabalak portion: \$110,000
 2017-2021 Research Corporation for Science Advancement, Frontiers in Research Excellence & Discovery (FRED) Award, "Designer Metal Nanostructures for Anti-Counterfeit and Anti-Tamper Applications"
 Total: \$250,000 (direct)
 2017 John Simon Guggenheim Foundation, Fellowship
 Total: \$50,000 (direct)
 2017 Fulbright U.S. Scholar Program
 Total: ~\$12,000 (direct)
 2016-2019 NSF-CHE-MSN, "Symmetry Making and Breaking in the Synthesis and Assembly of Stellated and Bimetallic Nanocrystals"
 Total: \$435,000 (direct + indirect) + \$39,889 instrument supplement
 2016-2019 NSF-DMR-SSMC, "Spray Synthesis of Shape-Defined Nanocrystals"
 Total: \$445,000 (direct + indirect)
 2015-2017 NIH-R21-GM, "New Chromatographic Technologies for Resolving Carbohydrate Isomers"
 Co-Investigator (PI: M. Novotny, Indiana University)
 Total: \$598,800 (direct + indirect); Skrabalak portion: \$189,499 (direct + indirect)
 2015-2017 Research Corporation for Science Advancement, Scialog Collaborative Innovation Award, "Light-mediated Strain as an Adaptive Tool toward Efficient Catalysis"
 Co-PI: Vanessa Huxter (University of Arizona)
 Total: \$100,000 (direct); Skrabalak portion: \$20,000
 2014-2019 Camille Dreyfus Teacher-Scholar Award, "Shaping the Synthesis of Inorganic Solids"
 Total: \$75,000 (direct)
 2013-2016 NSF-CHE-MSN, "Seed-mediated Co-reduction: A Versatile Route to Architecturally Controlled Bimetallic Nanostructures"
 Total: \$405,000 (direct + indirect)
 2013-2018 DOE-BES Early Career Award, "Decoupling the Electronic and Geometric Parameters of Metal Nanocatalysts"
 Total: \$750,000 (direct + indirect)
 2013-2015 Alfred P. Sloan Foundation Research Fellowship
 Total: \$50,000 (direct)
 2013 Indiana University – Bloomington, New Directions Faculty Research Support Program, "Synthesis and Optical Studies of Self-assembling Stellated Polyhedra"
 Co-PI: Bogdan Dragnea
 Total: \$62,192 (direct); Skrabalak portion: \$39,192 (direct)
 July-Nov. 2012 Indiana CTSI – Research Invention and Scientific Commercialization (RISC) Program, "Commercial Scale Synthesis of High Surface Area Macroporous Silica for Bioanalytical Chromatography"
 Total: \$24,992 (direct) for Phase I (\$5,694) and Phase II (\$19,298) research with Irilliant, Inc.
 2012 – 2015 NIH R01-GM, "Sensitive Methods for Glycoconjugate Analysis" 1-year no cost extension

	Co-Investigator (PI: Milos Novotny-Chemistry, Indiana University)
	Total: \$846,932 (direct + indirect); Skrabalak portion: \$145,298
2012 – 2014	Research Corporation for Science Advancement, Cottrell Scholar Program, “New Synthetic Strategies to Multi-Metal Nanocrystals with Controlled Compositions and Structures” 1- year no cost extension
	Total: \$75,000 (direct)
2011 – 2014	NSF DMR-MRI, “Acquisition of an X-ray Photoelectron Spectrometer for Research and Education” 1-year no cost extension
	Total: \$776,114 (direct + indirect) + University cost share
2011 – 2013	NSF CHEM-CRIF, “Acquisition and Cyber-enhancement of a Modern X-ray Powder Diffractometer to Support Local and Remote Researchers and Educators” 1-year no cost extension
	Co-PI (PI: David Giedroc-Chemistry, Indiana University)
	Total: \$319,662 (direct + indirect)
2010 – 2015	NSF-DMR-SSMC CAREER Award, “Advanced Aerosol Synthesis of Metal Oxides for Photocatalytic Applications” 1- year no cost extension
	Total: \$641,771 (direct + indirect)
2009 – 2011	ACS-PRF, “Electrospray Synthesis of Composite Photocatalysts with Controlled Architectures” Total: \$100,000 (direct)

Funding for Education/Outreach/Service Activities:

2019 – 2020	Office for the Vice Provost of Research, Indiana University, Bridge Grant for “REU Site: Nanoscale Assembly of Molecules and Materials at Indiana University”
	PI (Co-PI: Yan Yu, Chemistry, Indiana University)
	Total: \$75,000 (direct) – <i>Returned due to covid-19 pandemic</i>
2015 – 2018	NSF, “REU Site: Nanoscale Assembly of Molecules and Materials at Indiana University”
	Co-PI (PI: Stephen Jacobson, Chemistry, Indiana University)
	Total: \$270,000 (direct + indirect)
2012 – 2015	Research Corporation for Science Advancement, Cottrell Scholar Collaboration, “Mobilizing the Forgotten Army: Equipping TAs with Inquiry-Based Teaching Methods”
	Senior Personnel (PIs: Jordan Gerton-Physics, University of Utah; Michael Schatz-Physics, Georgia Tech)
	Total: \$25,000 (direct)
2011 – 2012	Office for Women’s Affairs, Indiana University “Women in Chemistry Programming” (co-organizers Dr. Maren Pink and Dr. Erin Carlson)
	Total: \$13,200 (direct)
2011	American Chemical Society, Committee on Local Section Activities, Innovative Projects Grant Program “Service Learning in Chemistry: Clear Creek Watershed & the B-line Trail” (organizer Dr. Kate Reck; provided sponsorship as Chair of ACS Local Section)
	Total: \$2000 (direct)
2010 – 2011	Office for Women’s Affairs, Indiana University “Women in Chemistry Programming” (co-organizers Dr. Maren Pink and Dr. Erin Carlson)
	Total: \$12,100 (direct)
2010	American Chemical Society, Committee on Local Section Activities, Innovative Projects Grant Program “Chemistry of Everyday Life Seminar Series” (co-organizer Dr. Erin Carlson)
	Total: \$2500 (direct)
2009 – 2010	Office for Women’s Affairs, Indiana University “Women in Chemistry Programming” (co-organizers Dr. Maren Pink and Dr. Erin Carlson)
	Total: \$9,900 (direct)

External Funding to Students in the Skrabalak Group:

2024	Indiana Space Grant Fellowship Award, Sarah Gorski
2019 – 2020	Indiana Space Grant-Fellowship Award, Joshua Smith
2017 – 2020	NSF Graduate Student Fellowship, Sandra Atehortua Bueno
2016 – 2017	Navy Innovative Science and Engineering Grant, Alison Smith
2016 – 2019	NSF Graduate Student Fellowship, Nick Daanen
2016	DOE Office of Science Graduate Student Research Award, Dennis Chen
2012 – 2016	NSWC Crane PhD Fellowship, Alison Smith

National and International Laboratory Access Grants

- 2021 Advanced Photon Source, Argonne National Laboratory, “Probing the Alloying Kinetics of Quinary Metal Nanoparticles by In Situ Total-Scattering”
Beam time allotted.
- 2019-2021 Center for Nanophase Materials Science, Oak Ridge National Laboratory, “Dynamics and Strain-Engineering of Multimetallic Nanocatalysts”
Microscope time allotted.
- 2018-2019 European Soft Matter Infrastructure (EUSMI), “Fast Tomo In-situ Heating of Au-Pd Nanocrystals”
Microscope time allotted.
- 2016-2017 Advanced Photon Source, Argonne National Laboratory, “Probing the Size-Dependent Ordering Behavior of PdCu Alloy Nanoparticles by In situ Total-Scattering”
Beam time allotted.
- 2016-2017 Advanced Photon Source, Argonne National Laboratory, “Probing the Local Structure of Sn-doped GZNO by X-ray Absorption Spectroscopy towards Improved Solar-to-fuel Photocatalysts”
Beam time allotted.
- 2016-2017 Center for Nanophase Materials Science, Oak Ridge National Laboratory, “In situ (S)TEM Monitoring of Interface-Controlled Disorder-Order Transformation in CuPd Nanocatalysts”
Microscope time allotted.
- 2014-2015 Center for Nanophase Materials Science, Oak Ridge National Laboratory, “Investigation of Shape-Controlled Nanocrystal Formation by Seeded Methods using In Situ Transmission Electron Microscopy”
Microscope time allotted.
- 2013 SLAC National Accelerator Laboratory
Beam time allotted.
- 2013 Advanced Photon Source, Argonne National Laboratory, “*In-situ* Synchrotron Small Angle X-ray Scattering Studies of Aggregation-based Growth of Metal Nanodendrites”
Beam time allotted.

Publications: * indicates corresponding author; indicates undergraduate co-authors

(154) Aggarwal, A.; Kar, N.; Skrabalak, S. E.* “Design of Thermally Robust Plasmonic Nanocrystals for Surface Enhanced Raman Scattering and Anticounterfeit Applications” *Journal of Physical Chemistry C*, **2025**, 129, 20069-20077. DOI: 10.1021/acs.jpcc.5c06336.

(153) Edwards, M.; Kar, N.; Freitas, D.; Zhang, L.; Wahab, O.; Baker, L.;* Skrabalak, S. E.;* Yan, X.* “Size and Shape Effects on Nanoparticle-Catalyzed Reactions Enabled by High-Throughput Variable-Temperature Desorption Electrospray Ionization Mass Spectrometry” *Analytical Chemistry*, **2025**, 97, 19544-19551. DOI: 10.1021/acs.analchem.5c02537.

(152) Kar, N.; Skrabalak, S. E.* “Synthetic methods for high-entropy nanomaterials” *Nature Reviews Materials*, **2025**, 10, 638-653. DOI: 10.1038/s41578-025-00829-8.

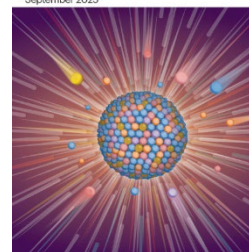
nature reviews
materials

September 2025

(151) Knobeloch, M.; O'Dell, Z. J.; Edwards, M. E.; Huang, C.; Nguyen, M.; Wahab, O. J.; Baker, L. A.; Henkelman, G.; Ye, X.; Yan, X.; Willets, K. A.; Skrabalak, S. E.* “Learning from Metal Nanocrystal Heterogeneity: A Need for Information-Rich and High-Throughput Single-Nanocrystal Measurements” *ACS Nanoscience Au (invited)*, **2025**, 5, 219-239. DOI: 10.1021/acsnanoscienceau.5c00033.

*Selected as an ACS Editors' Choice

*On Journal's most downloaded list



(150) Sridhar, S.; Nikolov, M.; Beutler, E.; Knobeloch, M.; Paranzino, B.; Vernon, K.; Zhong, Y.; Ye, X.; Baker, L.; Skrabalak, S. E.; Masiello, D.; Willets, K.* “Scattering vs. Interference in Interferometric Scattering (iSCAT) Spectroscopy of Plasmonic Nanoparticles” *Journal of Physical Chemistry Letters*, **2025**, 16, 4410-4418. DOI: 10.1021/acs.jpcclett.5c00261.

(149) Kar, N.; Leonardi, A.; McCoy, M.; Selvaraj, R.; Skrabalak, S. E.* “A Programmable Nanoparticle Conversion Pathway to Monodisperse Polyelemental High Entropy Alloy, Intermetallic, and Multiphase Nanoparticles” *Angewandte Chemie, International Edition*, **2025**, 64, e202505523. DOI: 10.1002/anie.202505523.

(148) Ibrar, M.; Knobeloch, M.; Beena, N. C.; Losovyj, Y.; Huang, S.-Y.; McCurtain, C.; Crandall, D. J.; Jacobson, S. C.; Skrabalak, S. E.* “Stable *versus* Temporally Sensitive Optical Security Tags from Metal Nanoparticles” *Nano Letters*, **2025**, 25, 12, 4781-4789. DOI: 10.1021/acs.nanolett.4c06199.

(147) Googasian, J. S.; Perkins, M. P.; Chen, J.; Skrabalak, S. E.* “532- and 52-Symmetric Au Helicoids Synthesized Through Controlled Seed Twinning and Aspect Ratio” *Nanoscale*, **2025**, 17, 4415-4422. DOI: 10.1039/D4NR03731F.

*Featured in the themed collection, *Chiral Nanomaterials*

(146) Vernon, K. L.; Pungsrisai, T.; Wahab, O. J.; Alden, S.; Zhong, Y.; Choi, M.-H.; Verma, E.; Bentley, A.; Skrabalak, S. E.; Ye, X.; Willets, K. A.* Baker, L. A.* “Optically Transparent Carbon Electrodes for Single Entity Electrochemistry” *ACS Electrochemistry*, **2025**, 1, 83-102. DOI: 10.1021/acselectrochem.4c00048.

(145) Mathiesen, J. K. A.* Ashberry, H. M.; Pokratath, R.; Gamler, J. T. L.; Wang, B.; Kirsch, A.; Kjoer, E. T. S.; Banerjee, S.; Jensen, K. M. O. A.* Skrabalak, S. E.* “Why Colloidal Syntheses of Bimetallic Nanoparticles Can’t be Generalized” *ACS Nano*, **2024**, 18, 26937-26947. DOI: 10.1021/acsnano.4c08835.

(144) Gordon, M. N.; Junkers, L. S.; Googasian, J. S.; Mathiesen, J. K.; Zhan, X.; Morgan, D. G.; Jensen, K. M. O.; Skrabalak, S. E.* “Insights into the Nucleation and Growth of BiOCl Nanoparticles by *In Situ* X-ray Pair Distribution Functional Analysis and *In Situ* Liquid Cell TEM” *Nanoscale*, **2024**, 16, 15544-15557. DOI: 10.1039/D4NR01749H.

*Part of the themed collection *Celebrating Professor Geoffrey Ozin’s 80th Birthday*

(143) Ibrar, M.; Huang, S.-Y.; McCurtain, Z.; Naha, S.; Crandall, D.; Jacobson, S. C.; Skrabalak, S. E.* “Modular Anti-counterfeit Tags from Template-Assisted Self-Assembly of Plasmonic Nanocrystals Authenticated by Machine Learning” *Advanced Functional Materials*, **2024**, 34, 2400842. DOI: 10.1002/adfm.202400842.

(142) Huang, Y.; Wang, S.-H.; Wang, X.; Omidvar, N.; Achenie, L. E. K.; Skrabalak, S. E.; Xin, H.* “Unraveling Reactivity Origin of Oxygen Reduction at High-Entropy Alloy Electrocatalysts with a Computational and Data-Driven Approach” *Journal of Physical Chemistry C*, **2024**, 128, 11183-11189. DOI: 10.1021/acs.jpcc.4c01630.

*Invited for the Jens K. Nørskov Festschrift

(141) Kar, N.; Huang, C.; Sridhar, S.; Edwards, M.; Ghosh, S.; Nikolov, M.; Paranzino, B.; Yan, X.; Willets, K.; Ye, X.; Skrabalak, S. E.* “Magnifying Minds: Exploring the Concepts of Size and Scale with a Public Mural and Integrated Activities” *Journal of Chemical Education*, **2024**, 101, 3556-3563. DOI: 10.1021/acs.jchemed.4c00111.

(140) O’Dell, Z. J.; Knobeloch, M.; Skrabalak, S. E.; Willets, K. A.* “High-throughput All-Optical Determination of Nanorod Size and Orientation” *Nano Letters*, **2024**, 24, 7269-7275. DOI: 10.1021/acs.nanolett.4c01261.

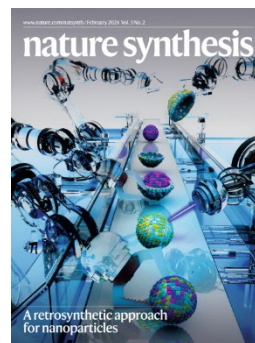
(139) Travesset, A.; Engel, M.; Rabani, E.; Zhou, S.; Ye, X.; Wong, G.; Widmer-Cooper, A.; Vaknin, D.; Tretiak, S.; Tkachenko, A.; Talapin, D.; Tagliazucchi, M.; Smalyukh, I.; Skrabalak, S. E.; Shi, A.-C.; Saiz, L.; Rotskoff, G.; Prezhado, O.; Osat, S.; Nikoubashman, A.; Moggetti, B.; Macfarlane, R.; Van Lehn, R.; Lee, B.; Kraus, T.; Karg, M.; Ibanez, M.; Haji-Akbari, A.; Grunwald, M.; Guerrero-Garcia, G. I. “Nanocrystal Assemblies: Current Advances and Open Problems” *ACS Nano*, **2024**, 18, 14791-14840. DOI: 10.1021/acsnano.3c10201.

(138) Beena, N. C.; Magnard, N. P. L.; Puggioni, D.; dos Reis, R.; Chatterjee, K.; Zhan, X.; Dravid, V. P.; Rondinelli, J. M.; Jensen, K. M. O.; Skrabalak, S. E.* “Influence of Composition and Structure on the Optoelectronic Properties of Photocatalytic Bi₄NbO₈Cl-Bi₂GdO₄Cl Intergrowths” *Inorganic Chemistry*, **2024**, 63, 8131-8141. DOI: 10.1021/acs.inorgchem.4c00306.

(137) Verma, E.; Choi, M.; Kar, N.; Baker, L. A.; Skrabalak, S. E.* “Bridging Colloidal and Electrochemical Syntheses of Metal Nanocrystals with Seeded Electrodeposition for Tracking Single Nanocrystal Growth” *Nanoscale*, **2024**, *16*, 8002-8012. DOI: 10.1039/D4NR00202D.

Correction: <https://doi.org/10.1039/D5NR90136G>

(136) Kar, N.; McCoy, M.; Wolfe, J.; Bueno, S. L. A.; Shafei, I. H.; Skrabalak, S. E.* “Retrosynthetic Design of Core@shell Nanoparticles for Their Thermal Conversion to Monodisperse High Entropy Alloy Nanoparticles” *Nature Synthesis*, **2024**, *3*, 175-184. DOI: 10.1038/s44160-023-00409-0.



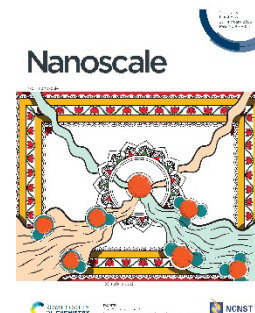
(135) Chatterjee, K.; Stanley, J.; Dravid, V. P.; dos Reis, R.*; Skrabalak, S. E.* “Electronic and Nanoscale Structures of Metal Oxyhalide Intergrowth Photocatalysts” *Applied Physics Letters*, **2023**, *123*, 154101. DOI: 10.1063/5.0159761.

(134) Bentley, A. K.*; Skrabalak, S. E.* “A Primer on Lattice Planes, Crystal Facets, and Nanoparticle Shape Control” *Journal of Chemical Education*, **2023**, *100*, 3425-3433. DOI: 10.1021/acs.jchemed.3c00371.

- See *Nanowork* “Placing nanoparticles in the palm of your hand” <https://www.nanowerk.com/nanotechnology-news2/newsid=64169.php> and *Laboratory Equipment* “Professor develops ‘scaled up’ way to teach nanoscience” <https://www.laboratoryequipment.com/609263-Professor-Develops-Scaled-Up-Way-to-Teach-Nanoscience/> among other news reports.

(133) Gordon, M.; Liu, Y.; Brown, M. K.; Skrabalak, S. E.* “Single-Source Precursors for the Controlled Aqueous Synthesis of Bismuth Oxyhalides” *Inorganic Chemistry*, **2023**, *62*, 9640-9648. DOI: 10.1021/acs.inorgchem.3c01114.

(132) Googasian, J. S.; Skrabalak, S. E.* “Practical Considerations for Simulating the Plasmonic Properties of Metal Nanoparticles” *ACS Physical Chemistry Au*, **2023**, *3*, 252-262. DOI: 10.1021/acspyschemau.2c00064.



(131) Kar, N.; McCoy, M.; Zhan, X.; Wolfe, J.; Wang, Z.; Skrabalak, S. E.* “Reaction Stoichiometry Directs the Architecture of Trimetallic Nanostructures Produced via Galvanic Replacement” *Nanoscale*, **2023**, *15*, 3749-3756. DOI: 10.1039/D2NR06632G.

*Featured in *Nanoscale* and *Nanoscale Horizon's* Special Collection “Nanoparticle Synthesis”

(130) Woessner, Z. J.; Lewis, G. R.; Bueno, S. L. A.; Ringe, E.*; Skrabalak, S. E.* “Asymmetric Seed Passivation for Regioselective Overgrowth and Formation of Plasmonic Nanobowls” *Nanoscale*, **2022**, *14*, 16918-16928. DOI: 10.1039/D2NR05182F.

(129) Gordon, M.; Chatterjee, K.; Christudas Beena, N.; Skrabalak, S. E.* “Sustainable Production of Layered Bismuth Oxyhalides for Photocatalytic H₂ Production” *ACS Sustainable Chemistry & Engineering*, **2022**, *10*, 15622-15641. DOI: 10.1021/acssuschemeng.2c05326.

(128) Bueno, S. L. A.; Leonardi, A.; Kar, N.; Chatterjee, K.; Zhan, X.; Chen, C.; Wang, Z.; Engel, M.; Fung, V.; Skrabalak, S. E.* “Quinary, Senary, and Septenary High Entropy Alloy Nanoparticle Catalysts from Core@Shell Nanoparticles and the Significance of Intraparticle Heterogeneity” *ACS Nano*, **2022**, *16*, 18873-18885. DOI: 10.1021/acsnano.2c07787.

(127) Chatterjee, K.; Magnard, N. P. L.; Mathiesen, J. K.; Jensen, K. M. O.; Skrabalak, S. E.* “Local Structure Analysis and Structure Mining for Design of Photocatalytic Metal Oxychloride Intergrowths” *Journal of Materials Chemistry A*, **2022**, *10*, 23212-23221. DOI: 10.1039/D2TA05663A.

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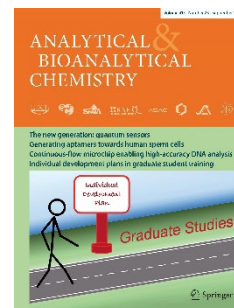
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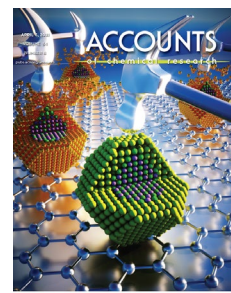
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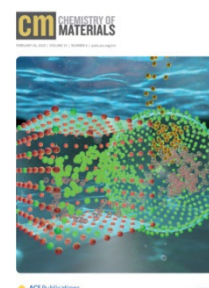
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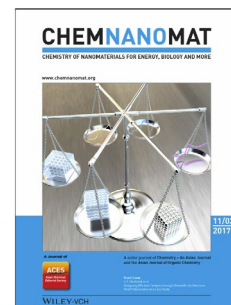
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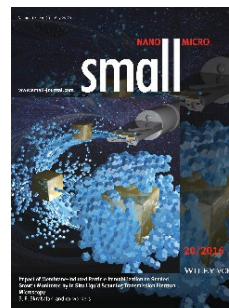
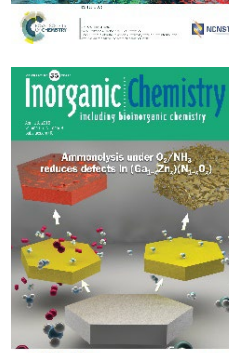
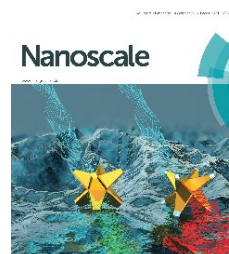
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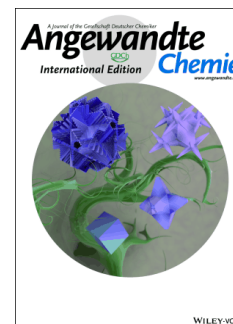
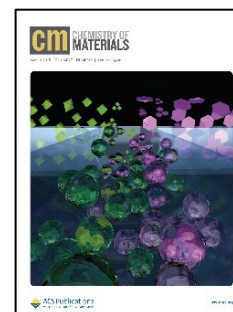
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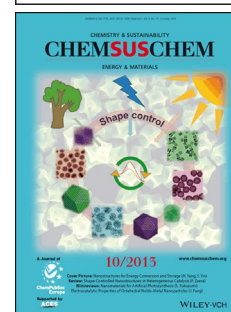
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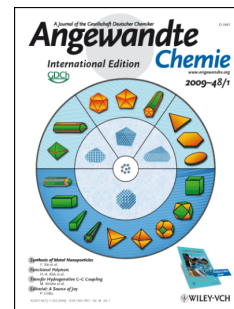
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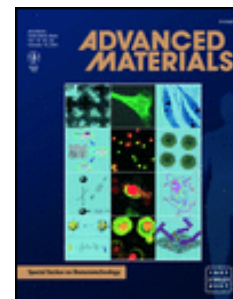
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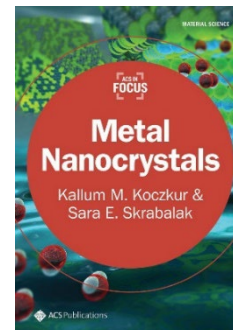


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- (19) Skrabalak, S. E.* "A New Year and 35 Years of *Chemistry of Materials*" *Chemistry of Materials*, **2023**, *35*, 1-8.
- (18) Toro, C.*; Skrabalak, S. E.* "Highlighting Recent Research from Latin America in *Chemistry of Materials*" *Chemistry of Materials*, **2022**, *34*, 10209-10210.
- (17) Toro, C.*; Skrabalak, S. E.* "Revisiting the Early Literature on Nanocomposites and the Path to Transformative Technologies" *Chemistry of Materials*, **2022**, *34*, 9305-9306. DOI:10.1021/acs.chemmater.2c02936.
- (16) Toro, C.*; Skrabalak, S. E.* "Unraveling the Complex Structure of Graphite Oxide" *Chemistry of Materials*, **2022**, *34*, 8469-8470. DOI: 10.1021/acs.chemmater.2c02840.
- (15) Skrabalak, S. E.* "Manuscript Mayhem: Making Sense of Manuscript Types" *Chemistry of Materials*, **2022**, *34*, 5321-5322. DOI: 10.1021/acs.chemmater.2c01620.

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- (13) Toro, C.;* Skrabalak, S. E.* “Ring in the New Year with Gratitude and Editorial Team Updates” *Chemistry of Materials*, **2022**, *34*, 1-4. DOI: 10.1021/acs.chemmater.1c04326.
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- (10) Skrabalak, S. E.* “My Manuscript was “Rejected without Review” from Chemistry of Materials: a Lesson in Burying the Lede” *Chemistry of Materials*, **2021**, *33*, 8145-8146. DOI: 10.1021/acs.chemmater.1c03512.
- (9) Khashab, N. M.;* Skrabalak, S. E.*; Adler-Abramovich, L.; Bent, S. F.; El-Mellouhi, F.; Kumacheva, E.; Milliron, D. J.; Neu, J.; Shen, Q.; Siculo, S. “Resilient Women and the Resiliency of Science” *Chemistry of Materials*, **2021**, *33*, 6585-6588. DOI: 10.1021/acs.chemmater.1c02648.
- (8) Toro, C.;* Skrabalak, S. E.* “Marking the 20 Year Anniversary of a Seminal Review of Semiconductor Nanoparticle Synthesis: An Interview with Tito Trindade for Chemistry of Materials’ 1k Club” *Chemistry of Materials*, **2021**, *33*, 5447-5448. DOI: 10.1021/acs.chemmater.1c02218.
- (7) Skrabalak, S. E.* “Writing Effective Review Articles” *Chemistry of Materials*, **2021**, *33*, 3021. DOI: 10.1021/acs.chemmater.1c01382.
- (6) Toro, C.;* Skrabalak, S. E.* “Methods & Protocols of 2020” *Chemistry of Materials*, **2021**, *33*, 1509-1512. DOI: 10.1021/acs.chemmater.1c00551.
- (5) Toro, C.;* Skrabalak, S. E.* “When Spectroscopy Met Carbon Materials: An Interview with Richard McCreery for Chemistry of Materials’ 1k Club” *Chemistry of Materials*, **2021**, *33*, 1507-1508. DOI: 10.1021/acs.chemmater.1c00282.
- (4) Skrabalak, S. E.* “ACS Materials Letters Webinar Series” *ACS Materials Letters*, **2021**, *3*, 298. DOI: 10.1021/acsmaterialslett.1c00111.
- (3) Liu, B.;* Skrabalak, S. E.* “ACS Materials Letters at 1.5 Years” *ACS Materials Letters*, **2021**, *3*, 134-135. DOI: 10.1021/acsmaterialslett.0c00579.
- (2) Skrabalak, S. E.* “Our Most Downloaded Papers Published in 2020” *Chemistry of Materials*, **2021**, *33*, 1-3. DOI: 10.1021/acs.chemmater.0c04607.
- (1) Skrabalak, S. E.* “Honoring the Past, Embracing the Present, and Inspiring the Future of Materials-Based Research” *Chemistry of Materials*, **2020**, *32*, 9477-9478. DOI: 10.1021/acs.chemmater.0c03867.
ACS Materials Letters, **2020**, *2*, 1615-1616. DOI: 10.1021/acsmaterialslett.0c00468.

Popularizations/Editorials:

- (7) Kar, N.; Skrabalak, S. E. “High-entropy alloy nanoparticles through retrosynthetic design” *Nature Synthesis*, **2023**, DOI: 10.1038/s44160-023-00410-7.
- (6) Buriak, J. M.; Akinwande, D.; Artzi, N.; Brinker, C. J.; Burrows, C.; Chan, W. C. W.; Chen, C.; Chen, X.; Chi, L.; Chhowalla, M.; Chueh, W.; Crudden, C. M.; Carlo, D. D.; Glotzer, S. C.; Hersam, M. C.; Ho, D.; Hu, T. Y.; Huang, J.; Javey, A.; Kamat, P. V.; Kim, I.-D.; Kotov, N. A.; Lee, R. T.; Lee, Y. H.; Li, Y.; Liz-Marzan, L. M.; Mulvaney, P.; Narang, P.; Nordlander, P.; Oklu, R.; Parak, W. J.; Salanne, M.; Samori, P.; Schaak, R. E.; Schanze, K.; Sekitani, T.; Skrabalak, S.; Sood,

A. K.; Voets, I. K.; Wang, S.; Wang, S.; Wee, A. T. S.; Ye, J. "Best Practices for Using AI When Writing Scientific Manuscripts. Caution, Care, and Consideration: Creative Science Depends on It" *ACS Nano*, **2023**, 4091-4093.

(5) Skrabalak, S. E.*; Chen, J.*; Neretina, S.*; Qin, D.* "Beyond the Gold Standard: Bimetallic Nanomaterials Bring New Properties and Function" *Particle & Particle Systems Characterization* (invited Editorial for Special Issue: *Bimetallics*), **2018**, 35, 1800111. DOI: 10.1002/ppsc.201800111.

(4) Skrabalak, S. E.* "Mashing up metals with carbo-thermal shock: Many elements can be combined in the formation of high-entropy alloy nanoparticles" *Science Magazine* (invited Perspective), **2018**, 359, 1467. DOI: 10.1126/science.aat1471.

(3) Brutchey, R. L.*; Skrabalak, S. E.* "Going with the Flow: Continuous Flow Routes to Colloidal Nanocrystals" *Chemistry of Materials* (invited editorial), **2016**, 28, 1003-1005. DOI: 10.1021/acs.chemmater.6b00472.

(2) Smith, A. F.*; Skrabalak, S. E.* "Plasmonic Possibilities: Tomorrow's Sensors and More" *Naval Science and Technology: Future Force Magazine*, **Fall 2015**, 2, 20-21.

(1) Xia, Y.; Skrabalak, S. E. "Improving biomedical imaging with gold nanocages" *SPIE Newsroom*, **12 May 2008**, DOI: dx.doi.org/10.1117/2.1200805.1135.

Citations:

March 2024 from *Goggle Scholar*
h-index = 50
i10-index = 118
Total citations = 20366

March 2024 from *Web of Science*
h-index = 43
average per item: 69.47
Total citations = 15074

General Media:

- Announcement of Phase II NSF Center for Chemical Innovation: <https://news.iu.edu/college/live/news/46709-iu-led-multi-institutional-nanoscience-center>
- Write-up about anticounterfeit tags: <https://blogs.iu.edu/iuimpact/2024/04/02/iu-researcher-develops-anticounterfeit-tags-and-environmental-sensors-using-nanoparticles/>
- Write up about Nature Synthesis paper: <https://www.chem.indiana.edu/2023/10/skrabalak-group-research-published-in-prestigious-nature-synthesis-journal/>
- Conversations with The Connected Professor: <https://connectedprof.iu.edu/articles/2023-year-end/conversations-with-the-connected-professor.html>
- Announcement of Center for Single-Entity Nanochemistry and Nanocrystal Design: <https://news.iu.edu/stories/2022/09/iub/releases/19-single-entity-nanochemistry-nanocrystal-design-center.html>
- Graduate student Maha Ibrar's research is featured by IU's Vice President for Research: <https://twitter.com/i/status/1517126004820615170>
- Blavatnik National Award Finalist Announcement: <https://www.nyas.org/press-releases/blavatnik-national-awards-for-young-scientists-announces-the-finalists-of-2021/>
- Crano Award Lectureship: <https://pubs.acs.org/doi/10.1021/cen-09912-awards2>
- Featured Guest on the New Chemist Podcast by David Ferguson. <https://podcasts.google.com/feed/aHR0cHM6Ly9hbmNob3IuZm0vcy8yZGVkNTM2NC9wb2RjYXN0L3Jzcw/episode/YTRiYTg0NmUtNjQ1My00ZWl4LWl4NmQ0OTgyY2I0Y2M0ZDAy?sa=X&ved=0CAUQkfYCahcKEwiggOyshLjxAhUAAAAAHQAAAAAQAO>
- Professor Skrabalak named editor of prestigious ACS journals: <https://college.indiana.edu/news-events/news/skrabalak-sara.html>
- AAAS Fellows Announcement: https://www.aaas.org/news/aaas-announces-leading-scientists-elected-2020-fellows?utm_campaign=ACohen&utm_source=AAAS&utm_medium=Facebook
- AAAS Fellows Announcement: https://news.iu.edu/stories/2020/11/iu/releases/24-faculty-named-aaas-fellows.html?_ga=2.1957940.420249447.1606247627-1046815322.1512525396
- Interview with Professor Skrabalak as Editor-in-Chief <https://axial.acs.org/2020/11/09/chemistry-of-materials-ac-s-materials-letters-sara-e-skrabalak/>

- Professor Skrabalak appointed Editor-in-Chief of Chemistry of Materials and ACS Materials Letters: <https://www.acs.org/content/acs/en/pressroom/newsreleases/2020/november/sara-e-skrabalak-appointed-as-editor-in-chief-of-chemistry-of-materials-and-ac-s-materials-letters.html?hootPostID=bea285a6145c6882a61a45e8bdd73d21>
- Professor Skrabalak appointed Editor-in-Chief of Chemistry of Materials and ACS Materials Letters: <https://cen.acs.org/acs-news/publishing/Sara-E-Skrabalak-named-editor/98/web/2020/11>
- Professor Skrabalak appointed Editor-in-Chief of Chemistry of Materials and ACS Materials Letters:
- Professor Skrabalak and Josh Santana as participants in JUAMI: <https://www.cambridge.org/core/journals/mrs-bulletin/article/third-juami-connects-us-and-african-fellows-around-sustainable-energy-materials-in-uganda/85F30334FC287C91EE0B4514F63891A0>
- Professor Skrabalak and IN3 Collaboration: https://news.iu.edu/stories/2019/02/iu/04-indiana-innovation-institute-in3-advances-high-tech-researchers-work.html?utm_source=2019-02-06&utm_term=inside_iu&utm_medium=email&utm_content=IU%20Innovation&utm_campaign=sf
- Professor Skrabalak joins IN3 funded project on secured electronics: <https://news.iu.edu/stories/2019/01/iub/07-sara-skrabalak-in3-indiana-innovation-institute.html>
- Professor Skrabalak discusses her FRED project with Research Corporation for Science Advancement: <https://vimeo.com/242651506>
- Professor Skrabalak recognized by IU Newsroom for Guggenheim Fellowship: <https://news.iu.edu/stories/2017/04/iub/releases/13-guggenheim-fellows.html>
- Professor Skrabalak recognized for Guggenheim Fellowship in Washington University's *The Source*: <https://source.wustl.edu/2017/04/stark-wins-guggenheim-fellowship/>
- People Behind the Science Podcast – Stories from Scientists about Science, Life, Research, and Science Careers: <http://www.peoplebehindthescience.com/dr-sara-skrabalak/>
- Highlighted in Inside IU for collaboration and innovation: <http://inside.indiana.edu/features/videos/2015-09-30-sara-skrabalak.shtml>
- North Jersey Section of the ACS announcement of Baekeland Award <http://www.njacs.org/wp-content/uploads/2015-Baekeland-Award-Article.pdf>.
- C&EN announcement of Baekeland Award <http://cen.acs.org/articles/94/i6/Baekeland-Award-Sara-Skrabalak.html>
- Baekeland Award Highlight in *Angew. Chem.*, 2016, 55, 6134. DOI: 10.1002/anie.201603787v.
- Ott Lecture press release from Grand Valley State University: <http://www.gvsu.edu/gvnow/2016/ott-lecture-to-explore-nanomaterials-9312.00000.htm>
- NorthWood High School grad Connor Bunch gains undergraduate research experience at Indiana University: <http://m.elkharttruth.com/news/schools/northwood-high-school/2015/12/28/NorthWood-High-School-grad-Connor-Bunch.html>
- Skrabalak Group members featured for undergraduate-graduate student collaboration: <http://viewpoints.iu.edu/student-experience/2015/12/16/collaborative-partnerships-benefit-undergraduate-graduate-student-researchers/>
- Educational efforts highlighted in Middlecamp, C. H. "Teaching and Learning about Sustainability: The View from CHED" ACS Books
- Announcement of Rudy Professorship at Indiana University <http://inside.iub.edu/headlines/2015-01-22-from-the-desk.shtml>
- Announcement of Scialog Collaborative Innovation Award <http://www.rescorp.org/news-and-publications/news/detail/four-teams-win-2014-scialog-collaborative-innovation-awards>
- Announcement of Indiana University's Engineering Task Force <http://itnews.iu.edu/articles/2014/blue-ribbon-committee-to-assess-establishment-of-new-engineering-program-at-iu-bloomington.php>
- Profiled in the ACS WCC Fall 2014 Newsletter: <http://www.womenchemists.sites.acs.org/>
- Identified in the Herald Times (Bloomington, IN) for outreach activities at Wonderlab: http://www.heraldtimesonline.com/news/community/wonderlab-event-to-showcase-iu-nanoscientists-and-their-work/article_59bd91b1-03e8-5265-942f-39f4d2b0edcc.html
- Identified in the Herald Times (Bloomington, IN) as Camille Dreyfus Teacher Scholar: http://www.heraldtimesonline.com/news/local/news-from-iu-assistant-chemistry-professor-named-dreyfus-teacher-scholar/article_bca2be18-fbdb-55e1-ad5e-234530acd3dd.html
- Identified in the Indiana Daily Student (Bloomington, IN) as Camille Dreyfus Teacher Scholar: <http://www.idsnews.com/news/story.aspx?id=98393>

- Identified in IU News Room as Camille Dreyfus Teacher Scholar:
<http://news.indiana.edu/releases/iu/2014/05/skrabalak-named-dreyfus-scholar.shtml>
- Group's work highlighted in the Indiana University's Annual Report by the Vice President for Research, 2013.
<http://www.iu.edu/~vpr/communications.shtml>
- Identified for Pure Chemistry Award Address in the Spring-Summer 2014 Division of Inorganic Chemistry Newsletter (American Chemical Society). <http://acsdic.org/wordpress/newsletters-2/>
- 2014 ACS National Award Winners Vignettes, ACS Award in Pure Chemistry, Chemical and Chemical Engineering News, Volume 92, Issue 6, page 34, written by Susan J. Ainsworth.
<http://cen.acs.org/articles/92/i6/ACS-Award-Pure-Chemistry.html>
- Profiled by Washington University in St. Louis Chemistry Department:
<http://www.chemistry.wustl.edu/news/wuchem-alum-sara-skrabalak-wins-accs-pure-chemistry-award>
- Profiled on Women in Nanoscience Blog:
<http://www.womeninnano.org/apps/blog/show/41963738-sara-skrabalak-awarded-2014-accs-pure-chemistry-award>
- Pure Chemistry Award Address advertised in Buriak, J. M. "Chemistry and Materials in the Spotlight at the Dallas Spring Meeting" *Chemistry of Materials*, 2014, 26, 1501.
- Profiled in Hometown Paper, The Indiana Gazette: <http://www.indianagazette.com/news/indiana-news/indiana-native-wins-800000-grant-for-research.17467463/>
- Identified in the Herald Times (Bloomington, IN) as a Sloan Research Fellow:
<http://www.heraldtimesonline.com/stories/2013/03/09/news.qp-3788848.sto>
- Identified in New York Times as a Sloan Research Fellow:
http://www.sloan.org/fileadmin/media/files/press_releases/2013_SRF_Press_Release_vf.pdf
- Identified in IU News Room as Sloan Research Fellow: <http://newsinfo.iu.edu/news/page/normal/23893.html>
- Identified in Huffington Post article "Leading Scholar-Educators Address Undergraduate Science Education" See http://www.huffingtonpost.com/james-m-gentile/leading-scholareducators-b_1683028.html
- Identified in IU News Room as Cottrell Scholar: <http://newsinfo.iu.edu/news/page/normal/23092.html>
- Identified in IU News Room for receiving NSF MRI funding for instrumentation in Nanoscale Characterization Facility: <http://newsinfo.iu.edu/web/page/normal/19928.html>
- Expert commentator in RSC's *Chemistry World*.
See <http://www.rsc.org/chemistryworld/News/2011/April/18041101.asp>
- Featured in the Spring 2011 edition of *Chemistry Periodical*, a Washington University in St. Louis publication. See http://www.chemistry.wustl.edu/chemistry_periodical
- Selected for "Who's Who in America" in 2010.
- See IU Homepages, Fall 2009: <http://homepages.indiana.edu/web/page/normal/10109.html>
- See IU "A Day in the Life of the College", Fall 2009 <http://college.indiana.edu/gallery/gallery2.shtml>

Presentations:

2026

- Plenary Lecture, Makhlof Haddadin Symposium, American University of Beirut, Lebanon (Sept. 24-25)
- Huber & Helen Croft Lectureship, University of Missouri – Columbia, Chemical & Biomedical Engineering (Sept. 18)
- Keynote Lecture, Noble Metal Nanoparticles Gordon Research Conference, Mt. Holyoke College (June 21-26)
- Invited Speaker, Inorganic Chemistry Gordon Research Conference, Salve Regina University (May 31 – June 5)
- Invited Speaker, Korean Chemical Society Meeting
- Chemistry Department Seminars: University of Missouri – St. Louis (Oct. 12), Chemical & Biomedical Engineering), Northwestern University (International Institute for Nanoscience, Feb. 19), Louisiana State University (March 6), University of Massachusetts – Amherst (April 9)

2025

- (5 declined partial or fully compensated invited talks due to time constraints)
- Invited Speaker, 2025 Phi Beta Kappa Induction Ceremony Address, Indiana University (Dec. 9)
 - Keynote Speaker, Partec 2025, International Congress on Particle Technology, Nuremberg, Germany (Sept. 23-25)
 - Keynote Speaker, ChinaNano, Beijing, China (August 30-31)
 - Invited Speaker, ChinaNano, ACS Publication Nano Summit, Beijing, China (August 30-31)
 - Invited Speaker, ACS Publications, Nankai University, Tianjin, China (Sept. 1)
 - Guest Lecturer, Summer School on High Entropy Alloys for Electrocatalysis, Center for High Entropy Alloy Catalysis, Denmark (August 11-14)
 - Keynote Lecture, Nanocrystals Northwest, Park Forest Conference Center, Washington (July 23-25)

- Keynote Lecture, Inaugural Applied Materials & Interfaces Conference, Singapore (July 3-4)
- Plenary Panelist, Inaugural Applied Materials & Interfaces Conference, Singapore (July 3-4)
- Plenary Speaker, Frontiers in Nanophotonics, The 3rd INanoPhotonic Symposium 2025, Hong Kong Polytechnic University (June 14-15) - *virtual*
- Distinguished Speaker, US Naval Research Laboratory (Feb. 20)
- Invited Speaker, Unlocking Opportunities: ACS PRF Success Stories and Strategies for Securing & Maximizing Funding, ACS Spring National Conference, San Diego (March 23-27)
- Invited Speaker, Symposium in Memoria of Dong Qin, ACS Spring National Conference, San Diego (March 23-27)
- Invited Speaker, Award Symposium in Honor of Ray Schaak, ACS Spring National Conference, San Diego (March 23-27)
- Invited Speaker, Symposium on High Entropy and Complex Structure for Electrocatalysis and Other Applications, ACS Spring National Conference, San Diego (March 23-27)
- Invited Panelist, "Publishing and Presentations in the Natural Sciences," *IU's Preparing Future Faculty Conference*, Indiana University (January 24)
- Invited Panelist, "How to Maximize the Impact of International Outreach," *ACS Conference of Editors*, Washington DC (Jan. 8-10)
- Chemistry Department Seminars: Jackson State University (Feb. 7), University of California – Santa Cruz (April 21), University of Science and Technology China (Sept. 2), Peking University, China (Sept. 4), FAU Erlangen-Nuremburg, Germany (Sept. 22)

2024 (6 declined partial or fully compensated invited talks + 1 plenary due to time constraints)

- Plenary Lecturer, Symposium "Conference on Advances in Catalysis for Energy and Environment", Tata Institute of Fundamental Research, Mumbai, India (Dec. 16-20)
- Invited Panelist, "Editors' Insights for Navigating the Publishing Landscape" at Symposium "Conference on Advances in Catalysis for Energy and Environment", Tata Institute of Fundamental Research, Mumbai, India (Dec. 16-20)
- Distinguished Speaker, Symposium "Molecular Materials and Functions", IIT-Madras, India (Dec. 9-11)
- Invited Speaker, *ACS on Campus*, IISER Tirupati, India (Dec. 12-13)
- Invited Speaker, *ACS on Campus*, IIT Tirupati, India (Dec. 12-13)
- Invited Speaker, Periodic Table Talks for ACS Division of Inorganic Chemistry (Oct. 16) - *virtual*
- O'Keeffe Lecture in Molecular Sciences, Arizona State University (Sept. 27)
- Invited Speaker, ACS Nigeria Virtual Leadership Development Workshop, ACS On Campus – Nigeria (Sept. 5) - *virtual*
- Invited Speaker, Symposium "Functional Metal and Related Oxide Nanomaterials" at MRS-IMRS 2024, Cancun Mexico (Aug. 18-23)
- Invited Speaker, Symposium "Innovative Synthesis, Novel Properties, Theory and Challenges" at MRS-IMRS 2024, Cancun, Mexico (Aug. 18-23)
- Invited Speaker, Symposium on "High Entropy Materials: Fundamentals and Potential Applications" at IMRC 2024, Cancun Mexico (Aug. 18-23)
- Invited Speaker, Scientific Publishing, ACS International Activities Committee-Sponsored Early-Career Development Workshop at ACS Africa Regional Conference on Green and Sustainable Chemistry – May 6 - *virtual*
- Invited Keynote Speaker, GSSPC Symposium "Nanoparticle Heterogeneity: Realizing Strengths by Embracing the Differences" at Spring ACS Conference, New Orleans, LA
- Invited Speaker, *ACS on Campus, India Roadshow*
 - IIT- Bombay (Feb. 26)
 - Manipal Academy of Higher Education (Feb. 28)
 - NIT Surathkal (Feb. 28)
 - Jawaharlal Nehru Centre for Advanced Scientific Research (March 1)
- Frontiers in Chemistry Lecture, University of Toledo (Feb. 21)
- Invited Speaker, *PREDICT Symposium* (Feb. 23) - *virtual*
- Invited Speaker, *ACS Conference of Editors*, "Growing Editorial Content" (Jan. 10-12)
- Invited Participant, *Data Challenges Discussion*, Materials Research Data Alliance and National Science Foundation (Aug. 6) - *virtual*

- Chemistry Department Seminars: IIT-Bombay (Feb. 26), Jawaharlal Nehru Centre for Advanced Scientific Research, India (Feb. 29), University of Hamburg, Germany (April 30), University of Fribourg, Switzerland (June 5), Laboratory of Materials for Renewable Energy, EPFL-Empa, Switzerland (May 15), University of Geneva (June 18),
- Contributed Speaker, Symposium on “Synthesis, physical properties and applications of advanced nanocrystalline materials” at the European MRS, Strasbourg, France (May 27-31)

2023 (4 declined partial or fully compensated invited talks due to time constraints)

- Brown and Williamson Lecturer, University of Louisville, Department of Chemistry (Nov. 3)
- Panelist, “Generative AI” for *The Connected Professor*, Indiana University (Oct. 20) See recording here: <https://connectedprof.iu.edu/articles/2023-year-end/conversations-with-the-connected-professor.html>
- Invited Speaker, 3rd Symposium on Nanoscience and Nanotechnology themed “Nanomaterials to Solve Emerging Problems”, Center Universitario de los Altos at Universidad de Guadalajara (Sept. 20-22)
- Invited Speaker, Symposium on “High Entropy Nanomaterials and Emerging Applications” in the Energy & Fuels Division of the American Chemical Society (Aug. 13-17)
- Invited Speaker, Symposium on “Solar-to-fuel Applications of Nanomaterials” for the Colloid & Surface Chemistry Division of the American Chemical Society (Aug. 13-17)
- Invited Speaker, Symposium on “Improving Rigor and Reproducibility of Measurements in Catalysis and Materials Research” for Catalysis Division of the American Chemical Society (Aug. 13-17)
- Invited Speaker, *Materials Innovation for Better Living* Symposium, Westlake University, Hangzhou, China (July 26 – 27)
- Invited Panelist, *Artificial Intelligence & Digitalization – Effect on Research Methods*, Westlake University, Hangzhou, China (July 26 – 27)
- Discussion Leader, Joint Undertaking for an African Materials Institute (JUAMI), Nairobi, Kenya (June 18 – 30, reschedule from 2021)
- Invited Speaker, Midwest Materials Innovation Consortium Meeting, Indiana University (June 8)
- Invited Speaker, ChatGPT Workshop, College of Arts & Sciences, Indiana University (April 24)
- Invited Speaker, Workshop on “Nanoparticle Assemblies: A New Form of Matter with Classical Structure and Quantum Function” at Kavli Institute for Theoretical Physics, University of California Santa Barbara (April 10 – April 28)
- Invited Panelist, ACS on Campus – Peer Review Process, ACS National Spring Meeting, Indianapolis – March 27
- Invited Speaker, Symposium in Honor of Younan Xia for 2023 ACS National Award for Creative Invention for the American Chemical Society (March 26-30)
- Invited Speaker, Symposium on “Frontiers and Challenges in Nanoparticle-Mediated Chemical Transformations” for Colloid & Surface Chemistry Division of the American Chemical Society (March 26-30)
- Invited Speaker, Symposium on “Fundamental Interfacial Processes in Electrocatalysis” for the American Chemical Society (March 26-30)
- Invited Speaker, GERA Energy Workshop, APS March Meeting, Las Vegas (March 5)
- Chemistry Department Seminars: University of Illinois – Chicago (Chemical Engineering, Feb. 2), Northern Illinois University (Feb. 1), Florida State University (Jan. 20), University of California – Irvine (MSE, April 6, *virtual*), Bradley University (Nov. 8, *virtual*)

2022 (11 declined fully compensated invited talks due to time constraints)

- Plenary Speaker, SHIFT Conference, Tenerife, Canary Islands (Oct. 10-14)
- Invited Speaker, Symposium in honor of Amy Prieto, Inorganic Nanoscience Awardee, Division of Inorganic Chemistry (Aug. 21-25)
- Invited Speaker, Symposium on “Nanomaterials Symposium” for Colloid & Surface Chemistry Division of the American Chemical Society (Aug. 21-25)
- Mercator Fellow Lecture, Friedrich-Alexander Universitat Erlangen-Nurnberg, June 29
- Invited Speaker, ACS Conference of Editors 2022 “Building Influence”, Session on Using Twitter Effectively (May 18-20)
- Invited Speaker, Symposium on “Well-Defined Materials for Heterogeneous Catalysis: Synthesis, Characterization, and Performance Studies”, ACS Spring Meeting, San Diego (March 20-24)
- Invited Speaker, Symposium on “Frontiers and Challenges in Nanoparticle-Mediated Chemical Transformations”, ACS Spring Meeting, San Diego (March 20-24)
- MilliporeSigma Inorganic Nano-Materials Lectureship, UCLA (Feb. 23)

- Invited Speaker, IUPAC Empowering Diversity in Science Global Breakfast, Hosted by Friedrich-Alexander Universität Erlangen-Nürnberg (Feb. 16 – *virtual*)
- Plenary Speaker, 5th International Symposium on Nanoparticles, Nanomaterials, and their Applications (ISN2A 2022), Costa de Caparica, Portugal (Jan. 24-27 - *hybrid*)
- Invited Speaker, Editor-in-Chief Webinar Series, Institute of Materials Research and Engineering, Singapore (Feb 16 - *virtual*)
- Chemistry Department Seminars: University of Utah (March 30 - *virtual*), Rochester Institute of Technology (April 19 - *virtual*), Yonsei University (Dec. 5), UNIST (Dec. 6), Seoul National University (Dec. 7), Ewha Womans University (Dec. 9), Colorado School of Mines (Sept. 23), Brown University (Oct. 7)

2021 (5 declined fully compensated invited talks due to time constraints)

- Invited Speaker, Universal Display Corporation, Dec. 3 – *Virtual*
- Keynote Lecturer, Advanced Materials Congress – Nano, Oct. 26-28, Stockholm, Sweden – *Virtual*
- Keynote Speaker, Accounts of Materials Research 1 Year Celebration – Oct. 15 – *Virtual*
- Invited Speaker, GEOPACK (Geometry & Packing in Material Structure & Biology) – Oct. 13 - *Virtual*
- Invited Speaker, International Online Workshop on Continuous Particle Synthesis and Product Design – Oct. 4-6 – *Virtual*
- Invited panelist, Applying to Graduate School Series, Indiana University – Sept. 16
- Invited Speaker, 22nd American Conference on Crystal Growth and Epitaxy, Aug. 2-4 – *Virtual*
- Keynote Speaker, Symposium on Frontiers in Materials for Technological Applications, CSIR Institute of Minerals & Materials Technology, Bhubaneswar, India, Aug. 2-6 - *Virtual*
- Eminent Scientist Lecture, ACS Northwest Regional Meeting, May 10 – *Virtual*
- Invited Speaker, Crano Memorial Lectures (2), Akron Section of the ACS and University of Akron, April 27 - *Virtual*
- Invited Speaker, MRS National Spring Meeting, *Molecular and Colloidal Plasmonics – Synthesis and Applications* (April 18-23 – *Virtual*)
- Invited Speaker, ACS National Spring Meeting, *Colloid Division's Nanomaterials Symposium*, (April 6-16 – *Virtual*)
- Invited Speaker, ACS National Spring Meeting, *Meeting the Challenges of Heterogeneous Catalysis Controlled at Molecular and Atomic Level* (April 6-16 – *Virtual*)
- Invited Speaker, ACS National Spring Meeting, *Cathy Murphy's ACS Award Symposium in Inorganic Chemistry* (April 6-16 – *Virtual*)
- Invited Speaker, Center for Nanoscale Materials, Argonne National Laboratory (March 3)
- Invited Speaker, International Women's Day Celebration Lecture, King Abdullah University of Science and Technology, Saudi Arabia (*Virtual* – March 8)
- Invited Speaker, ACS Science Talks 2021 sponsored by ACS-India (*Virtual* – Feb. 19)
- Invited Speaker, ACS Materials Letters Webinar Series (*Virtual* – Jan. 22)
- Chemistry Department Seminars: Nanjing University (*Virtual* – April 21), CSIR Institute of Minerals and Materials Technology (*Virtual* – Sept. 1), Gustavus Adolphus College (*Virtual* – Sept. 17), Fort Hays State University (*Virtual* – Nov. 1), Youngstown University (*Virtual* – Nov. 5)

2020 (6 cancelled invited talks due to covid-19 pandemic not included)

- Mercator Lectureships, Friedrich-Alexander Universität Erlangen-Nürnberg, October 7, 14, 21, 28 and December 9 *Virtual*
- Invited Speaker, 1st Virtual Asian Chemical Editorial Society/Chemical Research Society of India Symposium (ACES/CRSI), October 5-9
- Invited Speaker, US-UK Catalysis Workshop co-sponsored by DOE-BAS and UK Catalysis Hub (*Virtual* - October 8)
- Invited Speaker, International Association of Advanced Materials (IAAM; Sweden), Advanced Materials Lecture Series, IAAM Innovation Award Lecture (*Virtual* September 16)
Skrabalak, S. E. "Multimetallic Nanomaterials by Design" *Vid. Proc. Adv. Mater.* **2020**, *1*, 2020-0834. DOI: 10.5185/vpoam.2020.0834.
- Invited Speaker, Oak Ridge National Laboratory's CNMS User Meeting (*Virtual* - August 11-12)
- Invited Participant, Cottrell Scholars Collaborative Meeting by Research Corporation for Science Advancement, *Online Education*, July 8-10 *Virtual*
- Invited Speaker, ACS National Spring Meeting, Symposium: *Colloid & Surface Chemistry Division Nanomaterials Symposium*, Philadelphia, PA (March 22-26) *Virtual*
- Discussion Leader, Atomically Precise Nanochemistry Gordon Research Conference, Galveston, Texas (Feb. 9-14)

- Invited Speaker, Indiana University's Preparing Future Faculty, Feb. 7
- Keynote Speaker, 4th International Symposium on Nanoparticles and Nanomaterials and Applications – ISN²A 2020, Costa de Caparica, Portugal (Jan. 20-24)
- Chemistry Department Seminars: Northwestern (International Institute for Nanoscience, March 5), University of Pittsburgh (Chemical Engineering, January 10), Pennsylvania State University (Oct. 29 – *virtual*), Elon University (Nov. 12 – *virtual*)
- Contributed Presentations: Atomically Precise Nanochemistry Gordon Research Conference (1 PI, 1 student poster), Microscopy & Microanalysis Conference (1 student poster – *Virtual*), ACS Fall Conference (1 student poster – *Virtual*)

2019

- Invited Speaker, Applied Nanotechnology and Nanoscience International Conference, Paris, France (Nov. 18-20)
- Invited Speaker, UC-Davis Inaugural Inorganic Symposium (Nov. 7)
- Invited Speaker, Association for Crystallization Technology Larson Workshop, Chicago, IL (Sept. 29-Oct. 2)
- Invited Speaker, ACS National Fall Meeting, Symposium: *Frontiers and Challenges in Nanoparticle-Mediated Chemical Transformations*, San Diego, CA (Aug. 25-29)
- Invited Speaker, ACS National Spring Meeting, Symposium: *Chemistry at the Interface of Solution-Processed Inorganic Materials*, Orlando, Florida (Mar. 31-Apr. 4)
- Invited Speaker, ACS National Spring Meeting, Symposium: *Surface Chemistry of Colloidal Nanocrystals*, Orlando, Florida (Mar. 31-Apr. 4)
- Invited Speaker, MRS National Spring Meeting, Symposium: *Cooperative Catalysis for Energy and Environmental Applications*, Phoenix, Arizona (Apr. 22-26)
- Chemistry Department Seminars: Wesleyan University (March 29), University of Minnesota (CEMS, Apr. 9), UC San Diego (May 10), Soochow University (June 16), Nanjing Normal University (June 18), University of Virginia (Sept. 11), University of Toronto (Sept. 17), Ecole Polytechnique Federale de Lausanne (EPFL, Nov. 21), EPFL-Valais (Nov. 22)
- Contributed Presentations: ACS National Spring Meeting (3 student/1 collaborator presentation), MRS Spring Meeting (2 student presentations), ACS National Fall Meeting (4 student presentations), Microscopy & Microanalysis (1 collaborator presentation)

2018

- Invited Speaker, Joint US-Africa Materials Institute (JUAMI), Workshop: *Materials for Sustainable Energy*, Kampala, Uganda (Dec 9-20)
- Invited Speaker, Women in Chemistry, Informal Q&A with Professor Skrabalak, Indiana University (Dec. 6)
- Invited Speaker, MRS National Fall Meeting, Symposium: *Nanometal - Synthesis, Properties, and Applications*, Boston MA (Nov. 25-30)
- Invited Speaker, Science Philanthropy Alliance, Members' Meeting, (Sept. 18)
- Invited Speaker, XXVII International Materials Research Congress (MRS-Mexico), Symposium: *Materials and the Environment*, Cancun, Mexico (Aug. 19-24)
- Invited Speaker, XXVII International Materials Research Congress (MRS-Mexico), Symposium: *Challenges in Materials and Technologies for Energy Conversion, Saving and Storage*, Cancun, Mexico (Aug. 19-24)
- Invited Speaker, ACS National Fall Meeting, Symposium: *Women in Nanoscience*, Boston, MA (Aug. 20)
- Invited Speaker, FRED Award Address, Cottrell Scholars Conference, Research Corporation for Science Advancement (July)
- Invited Facilitator of "Power Hour" discussion on women in science, Noble Metal Nanoparticles Gordon Research Conference, Mount Holyoke College (June 17-22)
- Invited Conference Mentor and Career Panel Speaker, Noble Metal Nanoparticles Gordon Research Seminar, Mount Holyoke College (June 16-17)
- Invited Speaker, Fulbright Mid-Year Seminar, Salamanca, Spain (Jan. 30 – Feb. 2)
- Chemistry Department Seminars: CICbiomaGUNE (Spain, Jan. 25), University of Vigo (Spain, Apr. 5), University of Central London (England, May 1), University of Erlangen - Nuremberg (Germany, May 3), University of Antwerp (Belgium, May 8), University of South Carolina (Chemical Engineering, Sept. 20), St. Olaf (Sept. 13), University of Michigan (Nov. 8), University of Southern California (Nov. 6)
- Contributed Presentations: ACS National Spring Meeting (3 student presentations), Noble Metal Nanoparticle GRC (2 student presentations), MRS Fall Meeting (3 student presentations)

2017

- Invited Speaker, Magomedov-Shcherbinina Memorial Lecture, University of Rochester, Department of Chemistry (Sept. 20)
- Invited Speaker, ACS National Meeting, Symposium: *Noble Metal Nanoparticles for Bioimaging, Sensing & Actuation*, Washington DC (Aug. 20-24)
- Invited Speaker, ACS National Fall Meeting, Symposium: *Advanced Nanomaterials Catalysts for Sustainable Energy & Fuel*, Washington DC (Aug. 20-24)
- Invited Speaker, ACS National Fall Meeting, Symposium: *Photoresponsive Nanoparticles: From Fundamentals of Excitation to Applications*, Washington DC (Aug. 20-24)
- Invited Speaker, ACS National Fall Meeting, Symposium: *Transformational Research, Excellence in Education*, Washington DC (Aug. 20-24)
- Invited Speaker, BES Catalysis Science Research PI Meeting: *Advances in the Design & Synthesis of Multimetallic Nanocatalysts*, (July 24-28)
- Invited Speaker, Canadian Society of Chemistry National Conference, Symposium: *Nano and Hybrid Materials*, Toronto, Canada (May 28-June 1)
- Invited Speaker, ACS National Spring Meeting, Symposium: *Nanoscale Materials: Structure and Function in 0, 1, and 2-dimensions*, San Francisco, CA (April 2-6)
- Invited Speaker, ACS National Spring Meeting, Symposium: *Synthesis of Catalysts by Non-Traditional Methods*, San Francisco, CA (April 2-6)
- Invited Speaker, Materials Research Society Spring Meeting, Symposium: *Molecular and Colloidal Plasmonics – Synthesis and Applications*, Phoenix, AZ (April 17 -21)
- Invited Speaker, Pittcon, Symposium: *Plasmonic Toolbox for Chemical Analysis*, Chicago, IL (March 5-9)
- Chemistry Department Seminars: University of California – Berkeley (Feb. 10), MIT (Materials Science & Engineering, Sept. 14), University of Missouri – Columbia (Sept. 29)
- Contributed Presentations: ACS Midwest Regional Conference (1 undergrad presentation), MRS Spring Meeting (2 postdoctoral presentations), ACS National Spring Conference (2 grad student and 1 postdoctoral presentation)

2016

- Invited Speaker, Indiana University Student Section of SACNAS Meeting (Nov. 9)
- Invited Speaker, ACS National Fall Meeting, Symposium: *Nanoscience Award Symposium in Honor of Raymond Schaak*, Philadelphia, PA
- Invited Speaker, Crane-IU Engagement with MSIs (July 27)
- Invited Speaker, Noble Metal Nanoparticle Gordon Research Conference, Mount Holyoke College, MA
- Invited Speaker, Joint US-Africa Materials Institute (JUAMI), Workshop: *Materials for Sustainable Energy*, Arusha, Tanzania (May 29-June 10)
- Invited Speaker, Endowed Arnold C. Ott Lectureship, Grand Valley State University, Department of Chemistry (Apr. 14/15)
- Invited Speaker, DOW Endowed Lectureship, University of Minnesota, Department of Chemistry (Mar. 10)
- Invited Speaker, Student Affiliates of the ACS, IU-Bloomington, *Research Night* (April 26)
- Invited Panel Speaker, Indiana University Getting You into IU Program (Oct. 18)
- Invited Poster Presentation, Symposium on Research Frontiers in the Chemical Sciences, Camille & Henry Dreyfus Foundation, New York City, NY (Oct 28)
- Chemistry Department Seminars: University of Akron (Oct. 4), Depauw University (Nov. 3)
- Contributed Presentations: 33rd Annual Battery Seminar & Exhibit (1 student presentation), Noble Metal Nanoparticle GRC (1 student presentation), Solid State Chemistry GRC (1 student presentation), ACS National Fall Meeting (1 student presentation), Chicago Catalysis Club (1 student presentation), MRS National Fall Meeting (2 student presentations)

2015

- Invited Speaker, Denkewalter Endowed Lecture, Loyola University – Chicago, Department of Chemistry (Sept. 24)
- Invited Speaker, Baekeland Award Address, Rutgers University (Dec. 4)
- Invited Speaker, Pacifichem 2015, Symposium: *Applications of Ultrasound to Nanomaterials*, Honolulu, HI (Dec. 15-20)
- Invited Speaker, Pacifichem 2015, Symposium: *Organic, Inorganic and Hybrid Nanoparticles: Synthesis, Characterization, and Applications*, Honolulu, HI (Dec. 15-20)
- Invited Speaker, Research Corporation for Science Advancement 2015 Board Meeting (Nov. 6)

- Invited Speaker, XXIV International Materials Research Congress (IMRC), Symposium: *Materials and the Environment*, Cancun, Mexico (August 16-20)
- Invited Speaker, XXIV International Materials Research Congress (IMRC), Symposium: *Frontiers in Plasmonic Materials*, Cancun, Mexico (August 16-20)
- Invited Speaker, 19th Annual ACS Green Chemistry & Engineering Conference, Symposium: *Strategic, Sustainable Chemistries to Functional Materials*, N. Bethesda, MD (July 14-16)
- Invited Speaker, International Conference on Materials for Advanced Technologies – Materials Research Society ICMAT-MRS 2015, Symposium: *Synthesis & Architecture of Nanomaterials*, Singapore (June 28-July 3)
- Invited Speaker, Naval Surface Warfare Center Crane Division, The Failure and Material Analysis Branch, GXMS Laboratory (Jan. 6)
- Chemistry Department Seminars: University of California – Irvine (Chemistry at the Space-Time Limit Center, broadcast via Webex to CaSTL partner universities: University of Utah, University of Pittsburgh, Northwestern, and Penn State, Jan. 29), California Institute of Technology (Feb. 23), University of Cincinnati (Feb. 27), Barnard College (Program Planning Meeting; Mar. 27), Butler University (Apr. 24), Nanyang Technological University, Singapore (June 26), Calvin College (Sept. 10), Hope College (Sept. 11)
- Contributed Presentations: MRS National Spring Meeting (San Francisco, CA; 2 student presentations), ICMAT-MRS 2015 (1 student presentation), North American Solid State Chemistry Conference (2 student presentations), Pacificchem (3 student presentations), Fall ACS Conference (2 student presentations)

2014

- Invited Plenary Speaker, Central Regional Meeting of the American Chemical Society, Pittsburgh, PA (Oct. 31)
- Invited Speaker, IUMRS International Conference of Young Researchers on Advanced Materials (Haikou, China)
- Invited Speaker, ACS National Fall Meeting, San Francisco, CA
- Invited Speaker, Solid State Chemistry Gordon Research Conference, Colby-Sawyer College, NH
- Invited Speaker, Cottrell Scholars Conference, Tucson, AZ, July 9-11
- Invited Speaker, ACS National Spring Meeting, Dallas, TX – Pure Chemistry Award Address
- Invited Speaker, Pitt-PPG “Innovations in Materials Chemistry” Symposium (May 1-3)
- Distinguished Alumni Seminar, University of Illinois at Urbana-Champaign, Department of Chemistry, April 17-18
- Chemistry Department Seminars: University of Chicago (January 10), University of Wisconsin (Department of Chemical and Biological Engineering; February 11), University of West Virginia (March 26), Central College (April 9), University of Iowa (April 10), Iowa State University (April 11), Cornell University (April 28), Michigan State (September 15), University of Science and Technology China (Hefei, China, USTC, Oct. 23)
- Invited Poster Presentations: DOE Catalysis Science Program (Annapolis, MD; July 20-23), Scialog: Solar Energy Conversion (Research Corporation for Science Advancement, Biosphere 2, AZ Oct. 14-17)
- Invited Panelist: Women in Science Panel on Negotiations (Indiana University – Bloomington), NSF CAREER Workshop for pre-tenure faculty (Indiana University – Bloomington, April 4)
- Contributed Presentations: MRS National Spring Meeting (San Francisco, CA; 2 student presentations), Noble Metal Nanoparticle Gordon Research Conference (+2 student presentations), Solid State Chemistry Gordon Research Conference (1 student presentation), IUMRS International Conference of Young Researchers on Advanced Materials (China, 2 student presentations), ACS National Fall Meeting (San Francisco, CA; 3 student presentations), Hutton Honors College (Indiana University; 1 student presentation), IU’s NoBCCHE (Indiana University, 4 student presentations)
- Collaborator Presentations: Pittcon (Chicago, IL; 1 student presentation), HPLC 2014 (New Orleans, LA; 1 student presentation)

2013

- Invited Speaker, Zing Conference on Nanomaterials, Cancun, Mexico
- Invited Speaker, ACS National Fall Meeting, Indianapolis, IN
- Invited Speaker, ACS National Spring Meeting, New Orleans, LA (GREET mentor-mentee presentation)
- Chemistry Department Seminars: University of Arkansas (Dec. 2), Boston College (Oct. 17), Indiana University (Aug. 29), University of California – Berkeley (Apr. 5), Wayne State University (Mar. 28), Ohio State University (Mar. 19), California Institute of Technology (Department of Chemical Engineering; Mar. 7), University of California – Los Angeles (Mar. 6), University of California – Riverside (Mar. 4), University of Illinois at Urbana-Champaign (Feb. 21), Purdue University (Feb. 19), University of Notre Dame (Feb. 7), Pennsylvania State University (Feb. 5), Northern Kentucky University (Jan. 23), University of Miami (Jan. 18), Emory University (Jan. 17), Georgia Institute of Technology (Jan. 16), University of California at Santa Barbara (Jan. 9)

- Contributed Presentations: ACS National Fall Meeting (Indianapolis, IN; 2 student presentations and 3 student posters), MRS National Fall Meeting (Boston, MA; 1 student presentation)

2012

- Invited Speaker, Noble Metal Nanoparticle Gordon Research Conference, Mount Holyoke College, MA
- Invited Speaker, ACS National Fall Meeting, Philadelphia, PA (+3 student presentations)
- Invited Speaker, STEM GROUPS Initiative for Under-Represented Groups, Indiana University (Sept. 19)
- Invited Speaker, Cottrell Scholar Conference, Tucson, AZ
- Chemistry Department Seminars: Rice University (Dec. 5), Northwestern University (Nov. 16), University of Auckland (New Zealand, Oct. 11), Victoria University of Wellington (New Zealand, Oct. 5), National University of Singapore (Department of Chemical and Biomolecular Engineering), Indiana University – Bloomington (School of Public and Environmental Affairs)
- Contributed Presentations: Solid State Chemistry Gordon Research Conference (Colby-Sawyer College, NH), Noble Metal Nanoparticle Gordon Research Conference (Mount Holyoke College, MA; 1 student presentation), IUMRS International Conference of Young Researchers on Advanced Materials (Singapore; 1 oral, 1 poster presentation; Best Poster Awardee), ACS National Fall Meeting, Philadelphia, PA (3 student presentations)

2011

- Invited Speaker, Central Regional Meeting of the ACS, Indianapolis IN
- Invited Speaker, Molecules Matters Workshop, Indiana University
- Invited Speaker, “Tales from the Trenches: Strategies for Teaching Effectively”, Indiana University
- Chemistry Department Seminars: Youngstown State University
- Contributed Presentations: PINDU Inorganic Conference (Indiana University; 4 student presentations), NoBCChe Conference (Indiana University; 1 student presentation), Annual Nanotechnology Symposium at Sullivan University (Louisville, KY; 1 student presentation), ACS National Fall Meeting (Denver, CO; 1 presentation + 2 student presentations), Clusters, Nanocrystals, and Nanostructures Gordon Research Conference (Mount Holyoke College, MA), 85th ACS Colloid and Surface Science Symposium (Montreal Canada; 2 presentations) NoBCChe National Meeting, Houston, TX (1 student presentation), SACNAS Regional Meeting (Chicago, IL; 1 student presentation), ACS National Spring Meeting (Anaheim, CA; 1 student presentation), MRS National Spring Conference (San Francisco, CA; 1 student presentation), Central Regional Meeting of the ACS, Indianapolis IN (4 student presentations)

2010

- Invited Speaker, Pacificchem, Honolulu, HI (2 presentations)
- Invited Speaker, Nanoscience and Project-Based Learning Workshop, Indiana University
- Invited speaker, Heterogeneous Catalysis Workshop, Indiana University Nanoscience Center
- Chemistry Department Seminars: Washington University in St. Louis, Wright State University, Texas Tech University
- Contributed Presentations: MRS National Fall Conference (Boston, MA; 2 presentations), PINDU Inorganic Conference (Purdue University; 3 student presentations), Noble Metal Nanoparticle Gordon Research Conference (Mount Holyoke College, MA), Central Regional Meeting of the ACS (Dayton OH, 2 student presentations), Women in Science Program’s Research Conference (Indiana University, 2 student presentations), ACS National Spring Meeting (San Francisco, CA; 2 presentations)

2009

- Invited Speaker, Federation of Analytical Chemistry and Spectroscopy Societies, Annual Meeting, Louisville, KY
- Invited Speaker, Women Chemist Committee Brown Bag Series, University of Illinois at Urbana - Champaign
- Invited Keynote Speaker, Women in Science Undergraduate Research Conference, Indiana University
- Contributed Presentations: PINDU Inorganic Conference (University of Notre Dame, IN; 2 student presentations), MRS National Fall Conference (Boston, MA; student presentation), ACS National Fall Meeting (Washington, D.C.; student presentation), Women in Science Laboratory Experiences for Undergraduates (Laboratory Tour, Indiana University), MRS National Spring Conference (San Francisco, CA)

2008

- Invited Speaker, Southeastern Regional Meeting of the ACS, Nashville TN
- Invited Speaker, Advance College Project, Indiana University
- Chemistry Department Seminars: Truman State University, Purdue University (School of Materials Engineering), Indiana State University

- Contributed Presentations: ACS National Spring Meeting (New Orleans LA), 14th Annual International Catalysis Conference (Seoul, Korea; collaborator presentation), Society of Photographic Instrumentation Engineers (SPIE) National Meeting (collaborator presentation)

2007

- Contributed Presentations: MRS National Fall Conference (Boston MA)

2006

- Contributed Presentations: ACS National Spring Meeting (San Francisco CA), Nanotechnology Workshop (Beckman Institute, University of Illinois, Urbana IL), ACS National Fall Meeting (Atlanta GA)

2005

- Contributed Presentations: MRS Three-Dimensional Multifunctional Ceramic Composite Workshop (University of Illinois, Urbana IL)

2004

- Contributed Presentations: ACS Great Lakes Regional Meeting (Peoria IL)

Teaching Experience:

Course Instructor, Indiana University

Chem C505	Professional Development Seminar; F. 2019, F. 2020, F. 2021, F. 2022
Chem C500	Introduction of Research; F. 2019, F. 2020, F. 2021, F. 2022
Chem C117+	Principles of Chemistry and Biochemistry; S. 2019
Chem M501	Solid-state and Materials Chemistry; S. 2015, F. 2015, F. 2016
Chem C420	Advanced and Nanoscale Materials; S. 2015 (co-taught with T. Douglas), S. 2016 (co-taught with T. Douglas and A. Flood)
Chem 103	Intro to Chemical Principles; F. 2013
Chem M800	Materials Chemistry Research Seminar; F. 2012, S. 2013
Chem M502	Solid-state and Materials Chemistry; S. 2010, S. 2011, S. 2012, S. 2014
Chem 100	The World of Chemistry; F. 2008, F. 2009, F. 2010 (Themester), F. 2011, F. 2012 (Themester)

Guest Lecturer, Indiana University

H202	Knowledge Production and the University; S. 2025
H241	The Self-Organizing Planet (Hutton Honors College); F. 2013
Chem 107	Frontiers of Chemical Research; S. 2009 - 15, S. 2017, S. 2019-25
Chem N800	Inorganic Chemistry Research Seminar; S. 2009, F. 2010

Journal Activities:

Committee Appointments (ACS)

2022 –	ACS Publications Ethics Committee
2021 – 2022	ACS Nanoscience Standards Committee
2021 – 2022	ACS Material Science Standards Committee

Promotional/Service Activities (ACS)

2026	Organizer and Moderator, <i>Chemistry of Materials</i> Best Paper Award Symposium, Spring ACS Conference
2025	Meet the Editor Session, ACS Publication Booth, ChinaNANO, Beijing, China (Aug. 30-31)
	ACS Publications Nano Summit, ChinaNano, Beijing, China (Aug. 30-31)
	Nankai University (Sept. 1)
2025	Plenary Panelist, Inaugural Applied Materials & Interfaces Conference, Singapore (July 3-4)
2025	International Conference on Materials for Advanced Materials, Singapore (June 30 – July 4)
2025	Organizer and Moderator, <i>Chemistry of Materials</i> Best Paper Award Symposium, Spring ACS Conference
2024	Invited Speaker, Scientific Publishing, ACS On Campus – Nigeria – Sept. 5 (<i>virtual</i>)
2024	Invited Speaker, Scientific Publishing, ACS International Activities Committee-Sponsored Early-Career Development Workshop at ACS Africa Regional Conference on Green and Sustainable Chemistry – May 6 (<i>virtual</i>)
2024	ACS on Campus, India Roadshow – Feb. 24-March 1
2024	Organizer and Moderator, <i>Chemistry of Materials</i> Best Paper Award Symposium, Spring ACS Conference
2023	Invited Panelist, ACS Global Sales Meeting, Virtual Event – May 16
2023	Meet the Editors Session, ACS National Spring Meeting, Indianapolis – March 28

2023 Invited Panelist, ACS on Campus – Peer Review Process, ACS National Spring Meeting, Indianapolis – March 27

2022 Organizer and Moderator, *Chemistry of Materials* Best Paper Award Symposium, Fall ACS Conference

2021 Invited Speaker, Department of Science & Technology India & ACS Publishing Workshop Series – Oct. 22

2021 Organizer and Moderator, *Chemistry of Materials* Best Paper Award Symposium, Fall ACS Conference

2021 Moderator, *ACS Materials Letters* Webinar

2021 Attendee, *Diversity, Equity, Inclusion, and Respect Course for ACS Leaders, Editors, and Course Facilitators*

Promotional/Service Activities (RSC)

2020 Inclusion & Diversity Representative to RSC for *Nanoscale* and *Nanoscale Advances*

Sept. 2019 Meet the Editor Event for *Nanoscale* at the University of Toronto

Guest Editorial

2018 Guest Editor, Special Issue “Bimetallic Nanoparticles”, Wiley Journal *Particle*

Editorial Advisory Boards

2024 - Member, Editorial Advisory Board for the Taylor & Francis Group journal, *Nano Views*

2023 - Member, Editorial Advisory Board for the ACS journal, *Nano Letters*

2023 - Member, Editorial Advisory Board for the ACS journal, *Precision Chemistry*

2022 - Member, Editorial Advisory Board for the ACS journal, *Accounts of Chemical Research*

2021 - Member, Editorial Advisory Board for the ACS journal, *ACS Nano*

2020 - Member, Editorial Advisory Board for the RSC Journal, *Nanoscale*

2020 - Member, Editorial Advisory Board for the RSC Journal, *Nanoscale Advances*

2020 - Member, International Editorial Advisory Board for the Wiley Journal *Small Structures*

2020 - 24 Member, Editorial Board Member for Nature-Springer Journal *Discover Applied Sciences* (renamed from *NS Applied Sciences* in 2024) – resigned in 2024 due to conflict of interest

2019 - Member, Editorial Advisory Board for the RSC Journal *Nanoscale Horizons*

2018 - Member, International Advisory Board for the Wiley Journal, *Particle*

2016 - 17 Member, Editorial Advisory Board for the RSC Journal *Nanoscale*

2015 - Member, International Advisory Board for the Wiley Journal *ChemNanoMat*

2014 - 20 Member, Editorial Advisory Board for the ACS journal *Chemistry of Materials*

Reviewer

Science, Nature, Nature Communications, Nature Nanotechnology, Nature Chemistry, PNAS, Journal of the American Chemical Society, Angewandte Chemie, Nano Letters, Advanced Materials, ACS Nano, Chemistry of Materials, Journal of Physical Chemistry C, Journal of Physical Chemistry Letters, Langmuir, Industrial & Engineering Chemistry Research, ACS Applied Materials and Interfaces, Journal of Materials Science, Chemical Science, Chemical Communications, Aerosol Science and Technology, Ultrasonics Sonochemistry, Nanoscale, Nano Research, Crystal Engineering Communications, Crystal Growth & Design, Small, RSC Advances, Microporous and Mesoporous Materials, Journal of Solid State Chemistry, Chemistry: a European Journal, Small, ChemNanoMat, etc.

Professional Activities (Regional, National, and International Service):

2025 International Advisory Board, 10th International GOLD Conference, May 11-14 San Sebastian, Spain

2025 – Advisory Board, CAS Materials Database

2025 Session Chair, Session 1 Nanocatalysis and Applications, ChinaNano, Beijing, Aug. 30

2024 Session Chair, Molecular Materials and Functions, IIT- Madras, Dec. 9-11.

2024 Advisor for the ACS Graduate Student Symposium Planning Committee for “Nanoparticle Heterogeneity: Realizing Strengths by Embracing the Differences”, ACS Spring 2024 Meeting, New Orleans.

2023 Advisory Board, 1st Australian Materials Chemistry Conference (AMCC23)

2023 External Thesis Committee Reviewer, EPFL (Switzerland)

2023 External Thesis Committee Reviewer, UNSW (Australia)

2023 Editor-in-Chief Search Committee Member, ACS Publications

2023 General Committee, #RSCPoster Twitter Conference, Feb. 28-Mar. 1

2023 Session Chair, ACS Chemistry of Materials Award Symposium in Honor of Reshef Tenne, National Spring ACS Conference, Indianapolis, IN

2023 Participant, ACS Conference of Editors, January 4-6

2022 Presider, Fall ACS National Meeting, Division of Colloids & Surfaces Symposium

2022 Reviewer, National Academies of Sciences, Engineering, and Medicine, Report

2022 Chair, Noble Metal Nanoparticles Gordon Research Conference (reschedule from 2020 covid-19)

2021 Session Co-Chair, Symposium “*Metal nanoparticle nucleation and growth*” at ACCGE/OMVPE Conference August 2-4 (virtual)

2021 – 24 Research Member, Lugar Center for Renewable Energy, Indiana University

2021 International Advisory Committee, SERB-ACS Online Research Poster Competition, ACS-India

2021 External Thesis Committee Reviewer, EPFL-Sion (Switzerland)

2020 – 25 Executive Advisory Board, Center for Sustainable Nanotechnology (PI: Robert Hamers)

2020 Senior Science Advisor, Defense Civilian Auxiliary Corps, National Security Innovation Networks

2020 Subject Chair, #RSCNano, 2020 #RSCPoster Twitter Conference, March 3-4

2020 Session Chair, 4th International Symposium on Nanoparticles and Nanomaterials and Applications – ISN²A, Costa de Caparica, Portugal (Jan. 20-24)

2019 – 21 Cottrell Scholar Selection Committee

2019 – Mentorate for Dr. Alberto Leonardi, Habilitand of Faculty of Engineering at Friedrich-Alexander Universitat, Erlangen-Nurnberg

2019 Invited Participant, #InvisibleWorkSTEM Twitter Discussion hosted by C&EN and ACS Chemical Biology

2019 Chair, ACS National Award Selection Committee

2019 Committee Chair, #RSCNano, 2019 #RSCPoster Twitter Conference, March 5-6

2019 Participant, Entering Research Workshop, University of Wisconsin - Madison

2018 Vice Chair, Noble Metal Nanoparticles Gordon Research Conference

2017 – 19 ACS National Award Selection Committee

2017 ACS Regional Award Selection Committee

2017 External Thesis Committee Reviewer, University of New South Wales (Australia)

2017 External Thesis Committee Reviewer, Nanyang Technological University (Singapore)

2016 Group Symposium in Honor of Professor Suslick

2016 Chair, Nanoscience sub-division, Division of Inorganic Chemistry, American Chemical Society

2015 Session Chair, XXIV International Materials Research Congress (IMRC), Symposium: *Materials and the Environment*, Cancun, Mexico (August 16-20)

2015 Chair-elect, Nanoscience sub-division, Division of Inorganic Chemistry, American Chemical Society

2015 Co-organizer of Special Session “Nanocrystal Synthesis, Characterization, Assembly and Applications”, Pacificchem 2015, Honolulu, HI

2014 Co-organizer of Special Session “Energy Conversion – Photocatalysis, Fuel Cells & Solar Cells”, Second International Conference of Young Researchers on Advanced Materials, Haikou, China

2014 Session Leader of Special Session “Energy Conversion – Photocatalysis, Fuel Cells & Solar Cells”, Second International Conference of Young Researchers on Advanced Materials, Haikou, China

2014 Designer of *Nanoparticles for Stained Glass* Station at Wonderlab’s “Real Life Science: Nanoscience!” Day, Bloomington, IN

2014 Session Chair, Catalysis Science Program Meeting: Frontiers at the Interface of Homogeneous and Heterogeneous Catalysis (DOE, Annapolis, July 20-23)

2014 Session Chair, “Are new materials needed: the role of synthesis in the design of functional materials” Scialog: Solar Energy Conversion (Research Corporation for Science Advancement), Biosphere 2, AZ (Oct. 14-17)

2014 Session Chair, “Engaging your Students: Service Learning” Cottrell Scholars Conference, Tucson, AZ (July 9-11)

2014 Panel Facilitator, “Engaging the Professional Societies” Cottrell Scholars Collaborative National Teaching Assistant Workshop, Georgia Institute of Technology (May 28-30)

2014 Co-organizer of Cottrell Scholars Collaborative National Teaching Assistant Workshop, Georgia Institute of Technology (May 28-30)

2013 Session Chair (Colloid Division), ACS National Fall Meeting, Indianapolis, IN

2013 Session Chair and Co-organizer of Division of Colloid and Surface Chemistry Special Session “*ACS Award in the Chemistry of Materials*” in honor of Dr. Younan Xia, ACS National Spring Meeting, New Orleans, LA

2012	Co-organizer of Division of Inorganic Chemistry Special Session “ <i>Advanced Metal Nanostructures for Catalysis</i> ”, ACS National Fall Meeting, Philadelphia, PA
2012	Hydrogen Generation and Storage Session Chair, IUMRS-ICYRAM Conference, Singapore
2011	Co-organizer of Division of Colloid and Surface Science Special Session “ <i>Functional Nanoscale Materials: Synthesis, Characterization, and Applications</i> ”, CERMACS, Indianapolis, IN
2011	Chair, Southern Indiana Section of the American Chemical Society (SISACS)
2010	Session Chair, Inorganic Division General Session, ACS National Spring Meeting, San Francisco, CA
2010	Chair-elect, Southern Indiana Section of the American Chemical Society (SISACS)
2010	Participant, COACH Workshop, ACS National Spring Meeting, San Francisco, CA

University- and College-Level Service & Committees, Indiana University – Bloomington:

2025 –	Member, College Tenure Committee
2023	Member, Search Committee for the Associate Vice President and Vice Provost for Research
2021 – 2025	Member, IU Research Twitter Ambassadors, Office of the Vice President for Research
2017	Social Media Co-Chair, Concerned Scientists @ Indiana University
2016 – 2017	Participant, Faculty-Student Mentoring Initiative
2015 – 2016	College Representative, Department of Intelligent Systems Engineering
2015 – 2024	Faculty Supervisor, MRS@IU Student Chapter
2015	Presidential Engineering Task Force, BS Curriculum Committee
2014 – 2015	Presidential Engineering Task Force
2013 – 2017	Electron Microscopy Center Research Advisory Committee
2012 – 2017, 2021 –	Electron Microscopy Center Oversight Committee
2012 – 2015, S2019	Oversight of X-ray Photoelectron Spectroscopy Facility
2010	Co-organizer, Heterogeneous Catalysis Workshop, Nanoscience Center
2008 – 2012	Women in Science Program (WISP, Office for Women Affairs), Executive Committee Member

Department-Level* Service & Committees, Indiana University – Bloomington:

**service is to the Chemistry Department unless noted otherwise*

2025 –	Faculty Mentorship Committee (Harvey)
2025 –	Faculty Mentorship Committee (Wentz)
2024 –	Member, Policy Committee
2023 –	Faculty Mentorship Committees (Georgescu)
2022 – 24	Faculty Mentorship Committee (Gao, ISE)
2021 – 22	Junior Faculty Search Committee
F2019 – 23	Director of Graduate Studies
F2019 – 22	Program Director, MS-to-PhD ACS Bridge Program
	Partner Status 2019-20; Site Status 2020
F2019 – 23	Member, Policy Committee
F2019 – 23	Chair, Graduate Standards Committee
2018 – 24	Faculty Mentorship Committees (Gumennik and Jadhao, ISE)
2018 –	Faculty Mentorship Committees (Ye, Chemistry)
2015 – 2016	Materials Faculty Search Committee
2015 – 2017	Coordinator, Research Experience for Undergraduates
2014 – 2017, S2019	Chair, Diversity Affairs Committee
2013 – 2014, F2019 –	Member, Diversity Affairs Committee
2013 – 2014	Inorganic Faculty Search Committee
2013	Coordination Committee for National Fall ACS Conference (Indianapolis)
2010 – 2015	Molecular Structure Center (MSC) Advisory Committee
2009 – 2013	Women in Chemistry (WIChem)
2008 – 2012	Graduate Admissions, Indiana University, Department of Chemistry, Materials Representative

Grant Reviewer:

Fulbright Selection Panel (2025)

Guggenheim Foundation (2024, 2025, 2026)
 Swiss National Science Foundation (ad hoc: 2025)
 Ho-Am Foundation (ad hoc: 2023)
 AAAS (ad hoc: 2017)
 U.S. Army Research Office, RDRL-ROE (ad hoc: 2017, 2019)
 Science Foundation of Ireland (ad hoc: 2017)
 Research Corporation for Science Advancement (ad hoc: 2013 – 2016, 2022)
 American Chemical Society – GREET Program (2013)
 American Chemical Society – Petroleum Research Fund (2012, 2014, 2015, 2025)
 Department of Energy (ad hoc: 2011 – current for Basic Energy Sciences, 2012 SCGF Program, 2020 director-level program, 2024 EFRC Midterm Site Review)
 National Science Foundation (ad hoc: 2010 – current; panels: 2010 DMR CAREER, 2012 DMR MRI, 2012 CHE CAREER, 2013 DMR DMREF, 2014 DMR SSMC, 2015 MRSEC Site Review, 2016 CHE(2x), 2019 CHE, 2019 MRSEC Site Review, 2020 DMR, 2023 CHE, 2025 STC panel, 2025 DMR CAREER)
 Marsden Fund, New Zealand (ad hoc: 2014)
 Indiana University – Bloomington (Faculty Research Support Program, 2010 panel)

Professional Organizations:

Materials Research Society, American Chemical Society, Royal Society of Chemistry, Association for Women in Science, Women Chemist Committee, Phi Beta Kappa Honorary Society, Sigma Xi Scientific Society, Alpha Chi Sigma Professional Chemistry Fraternity, American Association for the Advancement of Science

Current Individuals Supervised in the Skrabalak Laboratory:

Position in Skrabalak Laboratory	Name
Postdoctoral Scholar (2023 –) Co-advised with Xingchen Ye	Nilotpal Kapuria
Postdoctoral Scholar (2025 –)	Nayana Christudas Beena
Graduate Student (2021 –)	Megan Knobloch
Graduate Student (2021 –)	Sarah Gorski
Graduate Student (2022 –)	Aditi Aggarwal
Graduate Student (2023 –)	Connor Schulte
Graduate Student (2023 –)	Rukshanthan Selvaraj
Graduate Student (2023 –) Co-advised with Alexandru Georgescu	Varsha Kumari
Graduate Student (2023 –) Co-advised with Stephen Jacobson	Romesh Perera
Graduate Student (2024 –)	Hrittik Ghosh
Graduate Student (2024 –)	Shubhangi Goyal
Graduate Student (2025 –)	Sarah Elliott
Undergraduate Student (2025 –)	Jordan Kolpek

Previous Individuals Supervised in the Skrabalak Laboratory:

Visiting Faculty	Name	Last Known Position
2022-23	Dr. Anne Bentley	Associate Professor, Lewis & Clark
2014	Dr. Dale Harak	Associate Professor, Rockhurst University
Postdoctoral Scholars		
2017 – 19	Dr. Dileka Abeysinghe	Process Engineer, Intel, Portland, OR
2015 – 18	Dr. Kallum Koczur	Research Assistant Professor, Louisiana Tech, Department of Chemistry
2016 – 17	Dr. Solomon Gizaw	Assistant Professor, Addis Ababa University
2015 – 17	Dr. Chenyu Wang	Postdoctoral Scholar, Los Alamos Postdoctoral Scholar, University of Wisconsin Prof. Robert Hamers
2014 – 16	Dr. Hamed Ataee-Esfahani	Product Specialist, Shimadzu Scientific Instruments Postdoctoral Scholar, Georgetown University

2012 – 14	Dr. Nathan Motl	Prof. YuYe Tong
2010 – 11	Dr. Lin Xu	Huber Engineered Materials, Senior Scientist
		Associate Professor, Nanjing Normal University
		Postdoctoral Scholar, NTU (Singapore)
2009 – 10	Dr. Ellen Steinmiller	Associate Professor, University of Dallas
Graduate Students (PhD)		
S2021 – 25	Dr. Etkar Verma	Applied Materials, Albany NY
	Thesis: <i>Synthesis and Modification of Nanocrystals for High-throughput Screening</i>	
2019 – 25	Dr. Maha Ibrar	
	Thesis: <i>Plasmonic Metal Nanoparticles and Their Assemblies for Anti-counterfeit Applications</i>	
2019 – 25	Dr. Nayana Christudas Beena	
	Thesis: <i>Composition-Structure-Property Relationships of Layered Photocatalysts</i>	
2020 – 24	Dr. Nabojit Kar	Lam Electronics
	Thesis: <i>Nanoparticle Conversion Chemistry: A Toolbox for Multimetallic Nanostructures</i>	
2018 – 24	Dr. Jack Googasian	Ballydel Technologies
	Thesis: <i>Synthesis, Simulation and Machine Learning Optimization of Chiral Plasmonic Nanocrystal Systems</i>	
2017 – 23	Dr. Matt Gordon	Postdoctoral Fellow, Savannah River National Laboratory
	Thesis: <i>Novel Precursors for the Controlled Aqueous Synthesis of Bismuth Oxyhalides</i>	
2018 – 23	Dr. Kaustav Chatterjee	Elanco
		Postdoctoral Fellow, Merck
	Thesis: <i>Multimetal Oxichloride Intergrowth Photocatalysts for Solar Energy Harvesting</i>	
2017 – 22	Dr. Zachary Woessner	Scientist, STA Technologies
	Thesis: <i>Regioselectivity in Plasmonic Nanoparticle Synthesis</i>	
2017 – 20 Peters, 20 – 22	Dr. Kelly Rudman	Booz Allen Hamilton Consulting
		Postdoctoral Scholar, John Hopkins University
		Dr. Shoji Hall
	Thesis: <i>Electrosynthesis: From Organic Molecules to Nanoparticles</i>	
2016 – 21	Dr. Hannah Ashberry	Booz Allen Hamilton Consulting
		National Research Council Research Associateship
		Naval Research Laboratory
		Dr. Albert Epshteyn
	Thesis: <i>Synthesis of Intermetallic Nanoparticles and Insight into the Disorder-to-Order Phase Transformation</i>	
2016 – 21	Dr. Sandra Atehortua Bueno	Engineer, Intel, Portland, OR
		Postdoctoral Scholar, Molecular Foundry
		Dr. Emory Chan
	Thesis: <i>Synthesis of Multimetallic Nanoparticles for Electrocatalytic Applications</i>	
2015 – 21	Dr. Alexander Chen	CAS, Columbus, OH
		Postdoctoral Scholar, EPFL
		Prof. Raffaella Buonsanti
	Thesis: <i>Selective Modification of Nanocrystals</i>	
2016 – 20	Dr. Joshua Smith	Booz Allen Hamilton Consulting
		Luna, Inc., Roanoke, VA
	Thesis: <i>Design and Synthesis of Anisotropic Plasmonic Nanocrystals for Security and Sensing Applications</i>	
2015 – 19	Dr. Josh Santana	Lithography Engineer, Intel, Portland, OR
	Thesis: <i>Reactions in Continuous-Flow Droplet Microreactors: a Route to Architecturally Defined Metal Nanostructures</i>	
2015 – 19	Dr. Joceyln L.T. Gamler	Scientist, W.L. Gore and Associates
	Thesis: <i>Designer Nanocatalysts through Strain Engineering</i>	
2012 – 17	Dr. Dennis Chen	Scientist II, Ultragenyx Pharmaceutical
		Scientist, Advanced Potash Technology
		Postdoctoral Scholar, MIT
		Prof. Allamore
	Thesis: <i>Synthesis and Design of Solar-to-Fuel Conversion Materials: A Local Structure Perspective</i>	

2012 – 17	Dr. Jie Fu	Development Editor, Analytical Chemistry/ACS Sensors Intertek, Champaign-Urbana, IL
	Thesis: <i>Advancing Synthetic Strategies to Materials for Solar-to-Fuel-Conversion</i>	
2012 – 16	Dr. Alison Smith	CRANE, Crane, IN
	Thesis: <i>Optical Properties and Sensing Applications of Stellated and Bimetallic Nanoparticles</i>	
2011 – 16	Dr. Rebecca Weiner	Mars Global Services, Senior Scientist Research Chemist, FDA Institute for Food Safety & Health, Chicago, IL
	Thesis: <i>Synthesis of Multimetallic Nanoparticles by Seeded Methods</i>	
2010 – 15	Dr. Moitree Laskar	Assistant Professor (adhoc), GGSDS College, Chandigarh, India Outreach Coordinator, Skrabalak Laboratory
	Thesis: <i>Manipulation of the Geometric and Electronic Parameters of Metal Nanocatalysts</i>	
2009 – 14	Dr. Christopher J. DeSantis	Managing Editor, ACS Nano Postdoctoral Scholar, Rice University Prof. Naomi Halas
	Thesis: <i>Manipulating the Architecture of Bimetallic Nanostructures and their Plasmonic Properties</i>	
2008 – 14	Dr. Nancy Ortiz	Quaker Chemical, Philadelphia, Development Chemist III Exxon Mobil, Clinton New Jersey, Advanced Researcher
	Thesis: <i>Synthesis of Branched Metal Nanostructures with Controlled Architecture and Composition</i>	
2008 – 12	Dr. Amanda K. P. Mann	Merck, White House Station, New Jersey, Senior Scientist Postdoctoral Scholar, Oak Ridge National Laboratory Dr. Steve Overbury
	Thesis: <i>Synthesis of Shape- and Architecturally Controlled Particles with Ultrasonic Spray Pyrolysis</i>	
Graduate Students (MS)		
2018 – 20 Ye, 20 – 23	Yuda Li	Unknown
	Thesis: <i>Synthesis of Alloy and Core@Shell PdNi Nanotemplates for Galvanic Replacement</i>	
2019 – 22	Ibrahim Shafei	Metals & Additives, LLC
	Thesis: <i>Transformation by Transportation: Pathways to High Entropy Alloy Nanoparticles</i>	
2018 – 20	Mattea Scanlan	Chemistry Lecturer, Ball State University
	Thesis: <i>Controlling Metal Nanoparticle Morphology through Kinetic Control of Seeded Syntheses</i>	
2015 – 19	Nick Daanen	
	Thesis: <i>Engineering Catalysts and Supports as Platforms for Sustainable Energy</i>	
2014 – 17	Evan Rugen	Battery Innovation Center, Crane, IN
	Thesis: <i>Synthesis and Characterization of LaTiO₂N</i>	
2014 – 17	Meredith Hartley Kunz	Teacher, Park Tudor, Indianapolis, IN Adjunct Professor, Ivy Tech Community College
	Thesis: <i>Synthesis of Pd-Cu Nanostructures by Seed-mediated Co-reduction</i>	
2013 – 15	Ethan Harak	MRI Global, Kansas City, KS Adjunct Professor, Rockhurst University Cook Medical (Bloomington, IN)
	Thesis: <i>Core@Shell Rh@Pt Nanocubes: A Model for Studying Compressive Strain Effects in Bimetallic Nanocatalysts</i>	
2008 – 10	Kun Ha Park	Scientist, LG Chem Research Park (S. Korea)
	Thesis: <i>Stabilizing Zinc Oxide in Titania Based Sols for Composite Nanofiber Formation</i>	
Graduate Students (Other)		
2020 – 22	Skylar Wappes	Indiana University, Raff Group
2011 – 12	William Bowers	R&D Manager, Diamond Wire Materials Technology
2011	Corinne Weinell	Laboratory Coordinator & Instructor, Thomas More University Teacher, Columbus North High School, IN M.Ed. Candidate, Indiana University

2011	Craig Girten	Sciencetician, Patheon, Cincinnati, KY Advanced Testing Laboratory, Cincinnati OH
Visiting Graduate Students		
2024	Philipp Ulmen	University of Hamburg
2023	Hongxiao Xiang	University of Hamburg
2021 – 22	Youngtae Park	KAIST, South Korea
2018 – 20	Yifan Chen	Nanjing Normal University, China
2019	Jette Mathiesen	University of Copenhagen, Denmark
2009 – 10	Susanne Wicker	University of Tuebingen, Germany
Undergraduate Researchers		
2024 – 25	Jacob Martin	Undergraduate Transfer to Stanford University
BS'25, 2021 – 25	Max McCoy	<i>Thesis: Synthesis of AuCu-based Core and Core-shell Nanoparticles for Polyelemental High Entropy Alloy Nanoparticles</i>
BS'25, 2021 – 25	Emily Ward	Graduate Student, Princeton University <i>Thesis: New Synthesis and Theory of Bismuth Multimetal Oxyhalide Photocatalysts</i>
BS'25, 2023 – 25	Claire Fissel	<i>Thesis: Challenges in Translating Colloidal Conditions to the Seed-Mediated Electrochemical Synthesis of Gold Nanocrystals</i>
BS'24, 2022 – 24	Max Perkins	Indiana University Medical School <i>Thesis: Synthesis of Multiply Twinned Nanoparticle Seeds for Seed-Mediated Growth of Chiral Nanocrystals</i>
BS'22, 2020 – 22	Joshua Wolfe	Public Health Graduate Program, Emory University <i>Thesis: Pd-Sn Nanoparticles: Their Controlled Synthesis and Utilization Towards High-Entropy Alloy Nanoparticles</i>
BS'21, 2019 – 21	Emma Endres	Graduate Student, Vanderbilt Chemistry <i>Thesis: Exploring Nanoparticle Morphologies through Galvanic Replacement and Changing Injection Rates</i>
BS'21, 2020 – 21	Jared Stanley	Graduate Student, UC-Irvine <i>Thesis: Effect of Synthetic Method on Bi₂LaO₄Cl Morphology and Preparation of the Novel Intergrowth Bi₄TaO₈Cl-Bi₂LaO₄Cl for Photocatalytic Water Splitting</i>
BS'20, 2019 – 20	Nate Smith	Graduate Student, Pennsylvania State University <i>Thesis: Undermining Counterfeit Goods with Designer Au Nanoparticles</i>
BS'18, 2015 – 18	Connor Bunch	Medical School, Indiana University <i>Thesis: Directing Au/Pd Nanocrystal Overgrowth with Organic Thiol Additives</i>
BS'18, 2015 – 18	Sophie McClain	Graduate Student, University of Illinois <i>Thesis: Investigating Routes for the Seeded Synthesis of Multifunctional Multimetallic Nanoparticles</i>
BS'18, 2017 – 18	Cari Rice	Graduate Student, Italian Studies, NYU <i>Thesis: Synthesis of Core@Shell Trimetallic Nanocatalysts</i>
BS'17, 2014 – 17	Michael Glennon	Indiana University Law School <i>Thesis: Structural Characterization and Electrochemical Properties of Ni²⁺/M³⁺ (M = Al, Ga, Sc, and Fe) Layered Double Hydroxides</i>
BS'16, 2013 – 16	Samantha Harvey	Graduate Student, Northwestern University <i>Thesis: Analysis of the Structural Features and Optical Properties of Au/Pd Bimetallic Nanoparticles</i>
BA'15, 2012 – 15	Andjela Radmilovic	Graduate Student, University of Wisconsin <i>Thesis: Role of Organic Additives in Shaping Symmetrically Branched Bimetallic Nanostructures</i>
BA'15, 2014 – 15	Connor Moreillon	Pharmaceutical Product Development, Middleton WI
BA'13, 2011 – 14	Matthew Bower	UC-Irvine Medical School <i>Thesis: Effect of Ions on Morphology and Growth Kinetics of Branched Bimetallic Nanostructures</i>
BS'11, 2011 – 12	Aaron Sue	Graduate Student, Northwestern University
BA'12, 2010 – 11	Adam Richter	Graduate Student, University College London
BA'11, 2009 – 10	Rohit Patel	Graduate Student, NEOMED PharmaD Program
BS'09, 2008 – 09	Patrick McChesney	Graduate Student, Indiana University (Physics)
Visiting Undergraduate Researchers		
2025	Sixie Chen	Tsinghua University
2025	Karla Pérez	University of Puerto Rico

2025	Rodger Russell	Jackson State University
2023	Chaeun Ma	Ewha Womans University, S. Korea
2019	Eunji Kim	Ewha Womans University, S. Korea
2019	Ayanna Culmer-Gilbert	Graduate Student, Indiana University
2018	Minjoo Kim	Ewha Womans University, S. Korea
2018	Sarah Severson	Graduate Student, Cornell University
2017	Yuda Li	Graduate Student, Indiana University
2017	Mattea Scanlan	Graduate Student, Indiana University
2016	Yeon Hyeong Sim	Ewha Womans University, S. Korea
2016	Jingyao Wang	University of Science & Technology, China
2016	Chenhao Ren	University of Science & Technology, China
2016, 2018-19	Joseph Burkhart	Graduate Student, University of British Columbia
2015	Priyanka Arora	IIT Roorkee, India
2014	Cheng Peng	Graduate Student, Iowa State
2013	Huang Lu	Tsinghua University, China
2013	Mariana B. T. Cardoso	Graduate Student, University of Birmingham, UK
2012	Haoming Liu	Tsinghua University, China
2011	Ji Chen	Graduate Student, Tsinghua University, China
2010	Long Sun	Tsinghua University, China