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Education:

University of California, Berkeley: Ph.D. in Physical Chemistry, 2004.

Thesis title: New materials for nanocrystal solar cells

Advisor: A. Paul Alivisatos

Princeton University: A.B., *summa cum laude*, in Chemistry, Certificate in Materials Science and Engineering, 1999.

Thesis title: Charge injection and chemistry at the indium tin oxide-organic interface

Advisors: Jeffrey Schwartz, Antoine Kahn

Positions Held:

2025 – : James and Judith Street Professor of Chemical Engineering, University of Michigan
2026 – : Professor, Department of Chemistry, University of Michigan
2017 – 2025: Professor, Department of Chemical Engineering, University of Texas at Austin
2024 – 2025: Professor, Department of Chemistry, University of Texas at Austin
2023 – 2025: Ernest Cockrell, Sr. Chair #1 in Engineering, University of Texas at Austin
2018 – 2023: T. Brockett Hudson Professorship, University of Texas at Austin
2017 – 2018: Henry Beckman Professorship, University of Texas at Austin
2013 – 2017: Associate Professor, Department of Chemical Engineering, University of Texas at Austin
2016 – 2018: Fellow of the Frank A. Liddell, Jr. Centennial Fellowship, University of Texas at Austin
2014 – 2017: Fellow of the Henry Beckman Professorship, University of Texas at Austin
2008 – 2014: Staff Scientist, Materials Sciences Division, LBNL, Berkeley, California
2005 – 2008: Research Staff Member, IBM Almaden Research Center, San Jose, California
2004 – 2005: Postdoctoral Researcher, IBM Watson Research Center, Yorktown Heights, New York

Administrative Appointments:

2025 – : Anthony C. Lembke Chair, Department of Chemical Engineering, University of Michigan
2021 – 2025: Chair, Department of Chemical Engineering, University of Texas at Austin
2012 – 2013: Deputy Director, Molecular Foundry, LBNL
2008 – 2012: Director, Inorganic Nanostructures Facility, Molecular Foundry, LBNL

Journal Publications:

Contact author(s) are marked with *.

214) AD Crowell, J Kang, DL Conrad, TM FitzSimons, EV Anslyn, DJ Milliron, AM Rosales*, "Leveraging Bond Dissociation Kinetics to Tune Shear Thickening Behavior in Dynamic Covalent Tetra-PEG Hydrogels," *Sci. Adv.*, in press.

213) TA Wilcoxson, Y Park, T Paul, JA Hachtel, DJ Milliron*, TM Truskett*, "Understanding coupling in hierarchically doped plasmonic nanocrystal metamaterials," *ACS Materials Au*, doi:10.1021/acsmaterialsau.5c00234. <https://pubs.acs.org/doi/10.1021/acsmaterialsau.5c00234>

212) WJ Chang, LJ Carr, S Montillo Vega, P Vora, P Huo*, DJ Milliron*, "Resonant enhancement of photolysis through plasmon-vibrational coupling," *J. Am. Chem. Soc.*, doi:10.1021/jacs.5c20841 <https://pubs.acs.org/doi/10.1021/jacs.5c20841>.

211) Z Sakotic*, M Brown*, WJ Chang, LE Hurst, N Mansfield, T Paul, TM Truskett, M Allen, J Allen, DJ Milliron, D Wasserman*, "Self-Assembled Mid-Infrared Metasurfaces for High-Contrast Femtosecond Switching," *Adv. Photonics*, doi:10.1117/1.AP.8.2.026001. <https://doi.org/10.1117/1.AP.8.2.026001>

- 210) BM Chandler, WJ Chang, ST Roberts, LX Chen, DJ Milliron, RD Schaller*, "Nanocrystal-to-Ligand Interfacial Thermal Transport: Plasmonic ITO to Perylene Diimide Adsorbates," *ACS Nano*, doi: 10.1021/acsnano.5c22120. <https://pubs.acs.org/doi/10.1021/acsnano.5c22120>
- 209) J Na, J Jung, DJ Milliron, S Heo*, "Unlocking Na⁺-Based Electrochromic Capacity in Hexagonal Tungsten Oxide Nanorods via Thermally Removable Dopants," *Nano Lett.* **25** (2025), 17373-17380. <https://pubs.acs.org/doi/full/10.1021/acs.nanolett.5c04697>.
- 208) J Kang, D Qian, J Lee, DL Conrad, JD Oberlander, MW Berry, J Liu, EV Anslyn*, TM Truskett*, DJ Milliron*, "Colloidal Phase Control in Plasmonic Metal Oxide Nanocrystals via Competitive Metal–Ligand Equilibria," *Angew. Chem. Int. Ed.* **64** (2025), e18965. <http://doi.org/10.1002/anie.202518965>.
- 207) JT Bender, RY Sanspeur, NB Ponce, AE Valles, AK Uvodich, DJ Milliron, JR Kitchin, J Resasco*, "How Electrolyte pH affects the Oxygen Reduction Reaction," *J. Am. Chem. Soc.* **147** (2025), 37819-37832. <https://doi.org/10.1021/jacs.5c14208>
- 206) T Paul, AM Green, DJ Milliron*, TM Truskett*, "Plasmon polaritons in disordered nanoparticle assemblies," *ACS Photonics* **12** (2025), 5682-5696. <https://doi.org/10.1021/acsp Photonics.5c01447>
- 205) M Ibáñez,* SC Böhme, R Buonsanti, J De Roo, DJ Milliron, S Ithurria, AL Rogach, A Cabot, M Yarema, BM Cossairt, P Reiss, DV Talapin, L Protesescu, Z Hens, I Infante, MI Bodnarchuk, X Ye, Y Wang, H Zhang, E Lhuillier, VI Klimov, H Utzat, G Raino, CR Kagan, M Cargnello, JS Son, MV Kovalenko,* "Prospects of Nanoscience with Nanocrystals: 2025 Edition," *ACS Nano* **19** (2025), 31969-32051. <https://pubs.acs.org/doi/10.1021/acsnano.5c07838>
- 204) B Li, X Chen, TA Wilcoxson, J Kang, TM Truskett,* DJ Milliron,* CR Baiz,* ST Roberts,* "Tracking Photothermal Heat Generation in ITO Nanocrystals and its Dissipation to their Surrounding Environment," *Nano Lett.* **25** (2025), 11912-11920. <https://pubs.acs.org/doi/full/10.1021/acs.nanolett.5c02441>
- 203) RA Marquez, JT Bender, AM Aleman, E Kalokowski, TV Le, CL Williamson, ML Fredriksen, K Kawashima, CE Chukwuneke, A Dolocan, DJ Milliron, J Resasco, TF Jaramillo, CB Mullins,* "Insights into catalyst degradation during alkaline water electrolysis under variable operation," *Ener. Env. Sci.* **18** (2025), 7170-7187. <https://pubs.rsc.org/en/content/articlehtml/2025/ee/d5ee02194d>
- 202) F Zhao, B Wang, B Huang, W Zhang,* J Chen,* L Liu, H Wang, AY Elezzabi, PS Lee, DJ Milliron, WW Yu, H Li*, "Inorganic electrochromic smart windows for advancing building energy efficiency," *Nat. Rev. Clean Tech.* **1** (2025), 396-412. <https://doi.org/10.1038/s44359-025-00065-x>
- 201) RA Marquez, JT Bender, SC da Cunha, AM Aleman, A Sahu, V Ganesan, DJ Milliron, J Resasco, TF Jaramillo, and CB Mullins*, "Tracking Local pH Dynamics During Water Electrolysis via In-line Continuous Flow Raman Spectroscopy," *ACS Energy Lett.* **10** (2025), 2075-2083. <https://doi.org/10.1021/acsenergylett.5c00582>
- 200) WJ Chang, BJ Roman, T Paul, Z Sakotic, P Vora, K Kim, LE Hurst, D Wasserman*, TM Truskett*, DJ Milliron*, "Ultrastrong coupling by assembling plasmonic metal oxide nanocrystals in open cavities," *ACS Nano* **19** (2025), 12332-12344. <https://doi.org/10.1021/acsnano.5c01913>
- 199) CK Ofosu, TA Wilcoxson, TL Lee, WD Brackett, J Choi, TM Truskett*, DJ Milliron*, "Assessing depletion attraction between colloidal nanocrystals," *Sci. Adv.* **11** (2025), eadv2216. <https://www.science.org/doi/10.1126/sciadv.adv2216>.
- 198) S De Respino, S Field-Farias, H Behera, H Oh, L Smith, H Daigle, X Zhan, J Kang, L Samineni, DJ Milliron, CB Mullins, M Kumar*, "*Moringa oleifera* protein-functionalized diatomaceous earth for nanoparticle removal," *ACS EST Water* **5** (2025), 678-685. <https://doi.org/10.1021/acsestwater.4c00753>
- 197) WJ Chang, AM Green, Z Sakotic, D Wasserman*, TM Truskett*, DJ Milliron*, "Plasmonic metal oxide nanocrystals as building blocks for infrared metasurfaces," *Acc. Mater. Res.* **6** (2025), 104-113. <https://doi.org/10.1021/accountsmr.4c00302>
- 196) JT Bender, RY Sanspeur, AE Valles, AK Uvodich, DJ Milliron, JR Kitchin, J Resasco*, "The potential of zero total charge predicts cation effects for the oxygen reduction reaction," *ACS Energy Lett.* **9** (2024), 4724-4733. <https://pubs.acs.org/doi/full/10.1021/acsenergylett.4c01897> *ACS Editors' Choice*

- 195) BJ Roman, SA Shubert-Zuleta, DJ Milliron*, "Tunable optical response of plasmonic metal oxide nanocrystals," *MRS Bulletin* **49** (2024), 1032-1044. <https://link.springer.com/article/10.1557/s43577-024-00785-8>
- 194) J Clarke, L Melcher, AD Crowell, F Cavanna, JR Houser, K Graham, AM Green, JC Stachowiak, TM Truskett, DJ Milliron, AM Rosales, M Das*, and J Alvarado*, "Morphological control of bundled actin networks subject to fixed-mass depletion," *J. Chem. Phys.* **161** (2024), 074905. <https://doi.org/10.1063/5.0197269>
- 193) DW Davies, BJ Roman, DJ Milliron*, "Tuning Emittance in Films of Plasmonic Metal Oxide Nanocrystals for Daytime Radiative Cooling," *Sol. Energy Mater. Sol. Cells* **277** (2024), 113094. <https://doi.org/10.1016/j.solmat.2024.113094>
- 192) ZM Sherman, DJ Milliron*, TM Truskett*, "Distribution of Single-Particle Resonances Determines Plasmonic Response of Disordered Nanoparticle Ensembles," *ACS Nano* **18** (2024), 21347-21363. <https://pubs.acs.org/doi/10.1021/acsnano.4c05803>
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- 189) SA Shubert-Zuleta, V Seguí Barragan, MW Berry, R Russum, Jr, DJ Milliron*, "How depletion layers govern the dynamic plasmonic response of In-doped CdO nanocrystals," *ACS Nano* **18** (2024), 16776-16789. <https://doi.org/10.1021/acsnano.4c02223>
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- 187) Y Wu, A Kenčná, SH Cho, DJ Milliron, JA Hachtel*, FJ García de Abajo*, "Singular and nonsingular transitions in the infrared plasmons of nearly touching nanocube dimers," *ACS Nano* **18** (2024), 15130-15138. <https://doi.org/10.1021/acsnano.4c02644>
- 186) MW Berry, AM Green, BJ Roman, TM Truskett*, DJ Milliron*, "Incorporating dopant effects in the plasmon ruler for metal oxide nanocrystal superlattices," *ACS Materials Lett.* **6** (2024), 1929-1937. <https://doi.org/10.1021/acsmaterialslett.4c00220>
- 185) AM Green, WJ Chang, ZM Sherman, Z Sakotic, K Kim, D Wasserman, DJ Milliron*, TM Truskett*, "Structural order and plasmonic response of nanoparticle monolayers," *ACS Photonics* **11** (2024), 1280-1292. <https://doi.org/10.1021/acsp Photonics.3c01813>
- 184) RA Marquez, E Kalokowski, M Espinosa, JT Bender, YJ Son, K Kawashima, CE Chukwuneke, LA Smith, H Celio, A Dolocan, X Zhan, N Miller, DJ Milliron, J Resasco, CB Mullins*, "Transition metal incorporation: Electrochemical, structure, and chemical composition effects on nickel oxyhydroxide oxygen-evolution electrocatalysts," *Energy Environ. Sci.* **17** (2024), 2028-2045. <https://doi.org/10.1039/D3EE03617K>
- 183) WJ Chang, Z Sakotic, A Ware, AM Green, BJ Roman, K Kim, TM Truskett*, D Wasserman*, DJ Milliron*, "Wavelength tunable infrared perfect absorption in plasmonic nanocrystal monolayers," *ACS Nano* **18** (2024), 972-982. <https://doi.org/10.1021/acsnano.3c09772>
- 182) J Kang, ZM Sherman, DL Conrad, HSN Crory, MN Dominguez, SA Valenzuela, EV Anslyn*, TM Truskett*, DJ Milliron*, "Structural control of plasmon resonance in molecularly linked metal oxide nanocrystal gel assemblies," *ACS Nano* **17** (2023), 24218-24226. <https://doi.org/10.1021/acsnano.3c09515>
- 181) J Fortunato, BZ Zydlewski, M Lei, NP Holzapfel, M Chagnot, JB Mitchell, H-C Lu, D-E Jiang, DJ Milliron*, V Augustyn*, "Dual-band electrochromism in hydrous tungsten oxide," *ACS Photonics* **10** (2023), 3409-3418. <https://pubs.acs.org/doi/abs/10.1021/acsp Photonics.3c00921>

- 180) V Seguí Barragan, BJ Roman, SA Shubert-Zuleta, MW Berry, H Celio, DJ Milliron*, "Dipolar ligands tune plasmonic properties of tin-doped indium oxide nanocrystals," *Nano Lett.* **23** (2023), 7983-7989. <https://doi.org/10.1021/acs.nanolett.3c01943>
- 179) K Kim, ZM Sherman, A Cleri, WJ Chang, J-P Maria, TM Truskett*, DJ Milliron*, "Hierarchically doped plasmonic nanocrystal metamaterials," *Nano Lett.* **23** (2023), 7633-7641. <https://doi.org/10.1021/acs.nanolett.3c02231>
- 178) SA Shubert-Zuleta, B Tandon, BJ Roman, XY Gan, DJ Milliron*, "How to quantify electrons in plasmonic colloidal metal oxide nanocrystals," *Chem. Mater.* **35** (2023), 3880-3891. <https://pubs.acs.org/doi/10.1021/acs.chemmater.2c03694>
- 177) P Banerjee*, GR Burks, SB Bialik, M Nassr, E Bello, M Alleyne, BD Freeman, JE Barrick, CM Schroeder, DJ Milliron, "Nanostructure-derived anti-reflectivity in leafhopper brochosomes," *Adv. Photon. Res.* **4** (2023), 2200343. <https://onlinelibrary.wiley.com/doi/10.1002/adpr.202200343>
- 176) ZM Sherman, K Kim, J Kang, BJ Roman, HSN Crory, DL Conrad, SA Valenzuela, E Lin, MN Dominguez, SL Gibbs, EV Anslyn*, DJ Milliron*, TM Truskett*, "Plasmonic response of complex nanoparticle assemblies," *Nano Lett.* **23** (2023), 3030-3037. <https://pubs.acs.org/doi/10.1021/acs.nanolett.3c00429>
- 175) B Tandon, SL Gibbs, C Dean, DJ Milliron*, "Highly responsive plasmon modulation in dopant-segregated nanocrystals," *Nano Lett.* **23** (2023), 908-915. <https://pubs.acs.org/doi/10.1021/acs.nanolett.2c04199>
- 174) BJ Roman, SA Shubert-Zuleta, G Shim, V Kyveryga, M Faris, DJ Milliron*, "Facet-enhanced dielectric sensitivity in plasmonic metal oxide nanocubes," *J. Phys. Chem. C* **127** (2023), 2456-2463. <https://pubs.acs.org/doi/10.1021/acs.jpcc.2c08495>
- 173) J Kang, ZM Sherman, HSN Crory, DL Conrad, MW Berry, BJ Roman, EV Anslyn*, TM Truskett*, DJ Milliron*, "Modular mixing in plasmonic metal oxide nanocrystal gels with thermoreversible links," *J. Chem. Phys.* **158** (2023), 024903. <https://aip.scitation.org/doi/10.1063/5.0130817>
- 172) JT Bender, AS Peterson, FC Østergaard, MA Wood, SMJ Heffernan, DJ Milliron, J Rossmeisl, J Resasco*, "Understanding cation effects on the hydrogen evolution reaction," *ACS Energy Lett.* **8** (2023), 657-665. <https://doi.org/10.1021/acsenergylett.2c02500>
- 171) K Kim, J Yu, J Noh, LC Reimnitz, M Chang, DR Gamelin, BA Korgel, GS Hwang, DJ Milliron*, "Synthetic control of intrinsic defect formation in metal oxide nanocrystals using dissociated spectator metal salts," *J. Am. Chem. Soc.* **144** (2022), 22941-22949. <https://pubs.acs.org/doi/10.1021/jacs.2c08716>
- 170) CK Ofosu, J Kang, TM Truskett*, DJ Milliron*, "Effective hard-sphere repulsions between oleate-capped colloidal metal oxide nanocrystals," *J. Phys. Chem. Lett.* **13** (2022), 11323-11329. <https://doi.org/10.1021/acs.jpcllett.2c02627>
- 169) AM Green, S Kadulkar, ZM Sherman, TM Fitzsimons, CK Ofosu, J Yan, D Zhao, J Ilavsky, AM Rosales, BA Helms, V Ganesan, TM Truskett*, DJ Milliron*, "Depletion-driven assembly of polymer-coated nanocrystals," *J. Phys. Chem. C* **126** (2022), 19507-19518. <https://doi.org/10.1021/acs.jpcc.2c06279>
- 168) T Kwon, T Wilcoxson, DJ Milliron, TM Truskett*, "Dynamics of equilibrium linked colloidal networks," *J. Chem. Phys.* **157** (2022), 184902. <https://doi.org/10.1063/5.0125125>
- 167) A Kim, T Vo, H An, P Banerjee, L Yao, S Zhou, C Kim, DJ Milliron, SC Glotzer*, Q Chen*, "Symmetry-breaking in patch formation on triangular gold nanoparticles by asymmetric polymer grafting," *Nat. Commun.* **13** (2022), 6774. <https://www.nature.com/articles/s41467-022-34246-0>
- 166) M Singh, ZM Sherman, DJ Milliron, TM Truskett*, "Linker-templated structure tuning of optical response in plasmonic nanoparticle gels," *J. Phys. Chem. C* **126** (2022), 16885-16893. <https://doi.org/10.1021/acs.jpcc.2c05353>

- 165) BZ Zydlewski, H-C Lu, H Celio, DJ Milliron*, "Site-selective ion intercalation controls spectral response in electrochromic hexagonal tungsten oxide nanocrystals," *J. Phys. Chem. C* **126** (2022), 14537-14546. <https://pubs.acs.org/doi/10.1021/acs.jpcc.2c02865>
- 164) VS Lakhanpal, BZ Zydlewski, XY Gan, H Celio, H-RM Jhong, CK Ofosu, DJ Milliron*, "Aqueous Transfer of Colloidal Metal Oxide Nanocrystals via Base-Driven Ligand Exchange," *Chem. Commun.* **58** (2022), 9496-9499. <https://pubs.rsc.org/en/content/articlelanding/2022/CC/D2CC02416K>
- 163) YJ Son, S Kim, V Leung, K Kawashima, J Noh, K Kim, RA Marquez, OA Carrasco-Jaim, LA Smith, H Celio, DJ Milliron, BA Korgel, CB Mullins*, "Effects of Electrochemical Conditioning on Nickel-Based Oxygen Evolution Electrocatalysts," *ACS Catal.* **12** (2022), 10384-10399. <https://pubs.acs.org/doi/full/10.1021/acscatal.2c01001>
- 162) H-C Lu, BZ Zydlewski, B Tandon, SA Shubert-Zuleta, DJ Milliron*, "Understanding the Role of Charge Storage Mechanisms in the Electrochromic Switching Kinetics of Metal Oxide Nanocrystals," *Chem. Mater.* **34** (2022), 5621-5633. <https://pubs.acs.org/doi/10.1021/acs.chemmater.2c00930>
- 161) CM Staller, SL Gibbs, XY Gan, JT Bender, K Jarvis, GK Ong, DJ Milliron*, "Contact conductance governs metallicity in conducting metal oxide nanocrystal films," *Nano Lett.* **22** (2022), 5009-5014. <https://doi.org/10.1021/acs.nanolett.2c01852>
- 160) B Tandon, H-C Lu, DJ Milliron*, "Dual-Band Electrochromism: Plasmonic and Polaronic Mechanisms," *J. Phys. Chem. C* **126** (2022), 9228-9238. <https://doi.org/10.1021/acs.jpcc.2c02155>
- 159) AM Green, CK Ofosu, J Kang, EV Anslyn*, TM Truskett*, DJ Milliron*, "Assembling Inorganic Nanocrystal Gels," *Nano Lett.* **4** (2022), 1457-1466. <https://pubs.acs.org/doi/10.1021/acs.nanolett.1c04707>
- 158) J Kang, SA Valenzuela, EY Lin, MN Dominguez, ZM Sherman, TM Truskett*, EV Anslyn*, DJ Milliron*, "Colorimetric quantification of linking in thermoreversible nanocrystal gel assemblies," *Sci. Adv.* **8** (2022), eabm7364. <https://www.science.org/doi/10.1126/sciadv.abm7364>
- 157) B Tandon, SA Shubert-Zuleta, DJ Milliron*, "Investigating the Role of Surface Depletion in Governing Electron Transfer Events in Colloidal Plasmonic Nanocrystals," *Chem. Mater.* **34** (2022), 777-788. <https://pubs.acs.org/doi/10.1021/acs.chemmater.1c03635>
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- 155) KM Roccapiore*, SH Cho, AR Lupini, DJ Milliron, and SV Kalinin*, "Sculpting the plasmonic responses of nanoparticles by directed electron beam irradiation," *Small* **18** (2022), 2105099. <https://onlinelibrary.wiley.com/doi/abs/10.1002/sml.202105099>
- 154) H-C Lu, N Katyal, G Henkelman*, DJ Milliron*, "Controlling the Shape Anisotropy of Monoclinic Nb₁₂O₂₉ Nanocrystals Enables Tunable Electrochromic Spectral Range," *J. Am. Chem. Soc.* **143** (2021), 15745-15755. <https://pubs.acs.org/doi/10.1021/jacs.1c06901>
- 153) H-RM Jhong, UO Nwabara, S Shubert-Zuleta, NS Grundish, B Tandon, LC Reimnitz, CM Staller, GK Ong, CA Saez Cabezas, JB Goodenough, PJA Kenis*, DJ Milliron*, "Efficient Aqueous Electroreduction of CO₂ to Formate at Low Overpotential on Indium Tin Oxide Nanocrystals," *Chem. Mater.* **33** (2021), 7675-7685. <https://doi.org/10.1021/acs.chemmater.1c01649>
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Learning Enhanced Electron Energy Loss Spectroscopy," *Adv. Opt. Mater.* **9** (2021), 2001808.
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149) CJ Dahlman, S Heo, Y Zhang, LC Reimnitz, D He, M Tang, DJ Milliron*, "Dynamics of Lithium Insertion in Electrochromic Titanium Dioxide Nanocrystal Ensembles," *J. Am. Chem. Soc.* **143** (2021), 8278-8294. <https://pubs.acs.org/doi/10.1021/jacs.0c10628>

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147) MP Howard, ZM Sherman, AN Sreenivasan, SA Valenzuela, EV Anslyn, DJ Milliron, TM Truskett*, "Effects of Linker Flexibility of Phase Behavior and Structure of Linked Colloidal Gels," *J. Chem. Phys.* **154** (2021), 074901. <https://doi.org/10.1063/5.0038672>

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- 4) DJ Milliron*, "Ultraviolet Photovoltaics: Share the Spectrum," *Nat. Energy* **2** (2017), 17116. <https://www.nature.com/articles/nenergy2017116>
- 3) BA Helms*, TE Williams, R Buonsanti, DJ Milliron, "Colloidal Nanocrystal Frameworks," *Adv. Mater.* **27** (2015), 5820-5829. <http://dx.doi.org/10.1002/adma.201500127>
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Book Chapters:

- 3) A Llodes, EL Runnerstrom, SD Lounis, DJ Milliron, "Plasmonic electrochromism of metal oxide nanocrystals," in *Electrochromic Materials and Devices*, RJ Mortimer, DR Rosseinsky and PMS Monk, Eds. Wiley, 2015.
- 2) JJ Urban, DJ Milliron, "Heterojunction solar cells based on colloidal quantum dots," in *Colloidal Quantum Dot Optoelectronics and Photovoltaics*, G Konstantatos and EH Sargent, Eds. Cambridge Univ. Press, 2013.
- 1) DJ Milliron, Q Huang, Y Zhu, "Novel Deposition Methods," in *Phase Change Materials: Science and Applications*, S Raoux and M Wuttig, Eds. Springer, 2009.

Issued Patents:

- 19) DJ Milliron, A Llodes, Y Wang, G LeBlanc, "Method for Producing Electrochromic Films by Low Temperature Chemical Condensation of Polyoxometalates," US10585322, 2020.
- 18) DJ Milliron, BH Kim, "Nanostructured Conducting Films with a Heterogeneous Dopant Distribution and Methods of Making and Use Thereof," US10515736, 2019.
- 17) DJ Milliron, A Llodes, R Buonsanti, G Garcia, "Electrochromic Nanocomposite Films," US9939662, 2018.
- 16) DJ Milliron, B Koo, G Garcia, CJ Dahlman, TM Mattox, L De Trizio, "Conductive Transition Metal Oxide Nanostructured Electrochromic Material and Optical Switching Devices Constructed Thereof," US9785031, 2017.
- 15) BA Helms, DJ Milliron, EL Rosen, R Buonsanti, A Llodes, "Surface Chemical Modification of Nanocrystals," US9595363, 2017.
- 14) BE Cohen, JP Schuck, DJ Gargas, EM Chan, AD Ostrowski, JJ Urban, DJ Milliron, "Controlled synthesis of bright and compatible lanthanide-doped upconverting nanocrystals," US9556379, 2017.
- 13) DJ Milliron, G Garcia, A Llodes, R Tangirala, R Buonsanti, "Nanostructured transparent conducting oxide electrochromic device," US9341913, 2016.
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- 8) AP Alivisatos, I Gur, D Milliron, "Nanocrystal solar cells processed from solution," US8440906, 2013.
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- 6) J Hedrick, DJ Milliron, A Nelson, R Pratt, "Method for forming and aligning chemically mediated dispersion of magnetic nanoparticles in a polymer," US7854878, 2010.
- 5) AP Alivisatos, JJ Dittmer, WU Huynh, DJ Milliron, "Semiconductor-nanocrystal/conjugated polymer thin films," US7777303, 2010.
- 4) MA Caldwell, DJ Milliron, "Inorganic metal chalcogen cluster precursors and methods for forming colloidal metal chalcogenide nanoparticles using the same," US7670584, 2010.
- 3) MA Caldwell, DJ Milliron, "Inorganic metal chalcogen cluster precursors and methods for forming

colloidal metal chalcogenide nanoparticles using the same,” US7563430, 2009.

2) DJ Milliron, DB Mitzi, “Solution deposition of chalcogenide films containing transition metals,” US7341917, 2008.

1) AP Alivisatos, D Milliron, L Manna, SM Hughes, “Nanocrystals with linear and branched topology,” US7303628, 2007.

Pending Patent Applications:

3) DJ Milliron, GK Ong, “Composite Films and Methods of Making and Use Thereof,” 2022.

2) DJ Milliron, GK Ong, C Saez Cabezas, HC Lu, “Porous Electrochromic Niobium Oxide Films and Methods of Making and Use Thereof”, 2021.

1) DJ Milliron, J Kim, “Electrochromic Electrodes and Methods of Making and Use Thereof,” 2022.

Honors and Awards:

- MRS Medal (2023)
- AIChE Nanoscale Science and Engineering Forum (NSEF) Award (2023)
- Kurt Wohl Memorial Lecture, University of Delaware, Chemical & Biomolecular Engineering (2023)
- Senior Member, National Academy of Inventors (2023)
- Amol Ajinkya Memorial Lecture, University at Buffalo, Chemical & Biological Engineering (2022)
- Thiele Lecture, University of Notre Dame, Chemical & Biomolecular Engineering (2022)
- Full Member, Sigma Xi (2022)
- ACS Inorganic Nanoscience Award (2019)
- Edith and Peter O'Donnell Award in Engineering, TAMEST (2018)
- Norman Hackerman Award, Welch Foundation (2017)
- Sloan Research Fellowship (2016)
- Benjamin P. Boussert Lecture, Louisiana State University, Chemistry & Chemical Engineering (2016)
- Defense Science Study Group member (2016-2017)
- Caltech Resnick Institute Resonate Award (2015)
- DOE Early Career Research Program Awardee (2010-2015)
- R&D 100 Award for Universal Smart Windows (2013)
- BASF/VW Science Award in Electrochemistry (finalist, 2012, 2013)
- Saint-Gobain NOVA External Venturing Innovation Competition (w/ Heliotrope, 1st place, 2012)
- NREL Innovation Growth Forum (w/ Heliotrope, finalist, 2012)
- Berkeley Lab Spot Award (2011)
- MDV (Mohr Davidow Ventures) Innovators Award (2010)
- LBNL Outstanding Performance Award (2010)
- DOE Outstanding Mentor Award (2010)
- Berkeley Lab Spot Award (2010)
- R&D 100 Award for Nanocrystal Solar Cells (2009)
- EPCOS Conference, Best Presentation Award (2009)
- MRS Spring Meeting, Best Poster Award (2007)
- Tech Transfer Award, LBNL (2004)
- National Defense Science and Engineering Graduate Fellowship (1999-2002)
- Barry M. Goldwater Scholarship (1997-1999)
- Robert C. Byrd Scholarship (1995-1999)
- National Science Scholars' Program award recipient (1995)
- Calvin Dodd MacCracken Senior Thesis Award (1999) – one of two awarded from 300 eligible
- Robert Thornton McCay Prize in Physical Chemistry (1999) – one of three (class of 40)
- Outstanding Achievement in Materials Science (1999) – only award in Materials Science
- William Foster Memorial Prize in Chemistry (1998) – only award (class of 40)

Synergistic Activities:

- Founder and Chief Scientific Officer, Celadyne Technologies (2018 -)
- Gordon Research Conference on Colloidal Semiconductor Nanocrystals (founding vice chair, 2014; chair, 2016)
- Founder and Chief Scientific Officer, Heliotrope Technologies (2012 - 2017)
- Scientific Advisory Board, PLANT PV (2011-2017)
- Technical Advisory Board, Pacific Light Tech (2011-2015)
- Technical Advisory Board, Spectrawatt (2010-2011)
- Scientific Advisory Board, Nanosys (2009-2010)
- MRS/APS committee on Energy Critical Elements (2009-2011)

Teaching Experience:

Advanced Thermodynamics	UT Austin CHE 387K
Materials Physics	UT Austin CHE 384T
Chemical Engineering Materials	UT Austin CHE 350
Introduction to Chemical Engineering	UT Austin CHE 102
General Chemistry	Graduate Student Instructor, UCB Chemistry
Statistical Mechanics and Thermodynamics	Graduate Student Instructor, UCB Chemistry

Graduate and Postdoctoral Advisors and Advisees:

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Logan	Carr	student		UT Austin
Diana	Conrad	student	EV Anslyn	UT Austin
Cheng-Hsun	Hsu	student		UT Austin
Lauralee	Hurst	student		UT Austin
Jayoon	Lee	student		UT Austin
Paola (Violet)	Méndez-González	student	JK Zheng	UT Austin
Akshat	Singh	student	J Resasco	UT Austin
Woo Je	Chang	postdoc		UT Austin
Jeongwon	Kim	postdoc		UT Austin, SKKU
Sanghyuk	Park	postdoc		UT Austin
Yujin	Park	postdoc		UT Austin
Wu	Zhang	postdoc		UT Austin
Ziyi	Zhang	postdoc		UT Austin
Ankit	Agrawal	student		Quantumscape
Jay	Bender	student	J Resasco	U Chicago (postdoc)
Amy	Bergerud	student		Niron Magnetics
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Shin Hum	Cho	student		Keimyung University
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Manuel	Dominguez	student	EV Anslyn	3M
Guillermo	Garcia	student		Samsar
Stephen	Gibbs	student		Bruker
Allison	Green	student	TM Truskett	Bain
Sungyeon	Heo	student		SeoulTech University
Robert	Johns	student		Micron
Jiho	Kang	student		LBNL (postdoc)
				Argonne Natl Lab
Kihoon	Kim	student		(postdoc)
Vikram	Lakhanpal	student		MOST policy fellow

Sebastien	Lounis	student		Antora
Hsin-Che	Lu	student		Ionblox
Charles (Kofi)	Ofori	student	TM Truskett	Dow
Gary	Ong	student		Celadyne Technologies
Lauren	Reimnitz	student		Novacentrix
Evan	Runnerstrom	student		Army Research Office
Camila	Saez Cabezas	student	TM Truskett	Univation Technologies
Victor	Segui Barragan	student		Quantumscape
Sofia	Shubert-Zuleta	student		Dow
Corey	Staller	student		Celadyne Technologies
Rebecca	Tafoya	student		USAA
Tanner	Wilcoxson	student	TM Truskett	UT Austin (postdoc)
Benjamin	Zydlowski	student		Intel
Progna	Banerjee	postdoc		Loyola Univ. Chicago
Raffaella	Buonsanti	postdoc		EPFL
Emory	Chan	postdoc		LBNL
Daniel	Davies	postdoc		Lam
Xing Yee	Gan	postdoc		Canon Nanotechnologies
Sandeep	Ghosh	postdoc		Applied Materials
Gang	Han	postdoc	BE Cohen, LBNL	Univ. of Massachusetts
Molly	Jhong	postdoc		Dow
Byung Hyo	Kim	postdoc		Soongsil University
Jongwook	Kim	postdoc		Ecole Polytechnique
			TJ Richardson, J Cabana	Sorbonne Univ.
Natacha	Krins	postdoc		Univ. of Tulsa
Gabriel	LeBlanc	postdoc		LANL
Beth	Lindquist	postdoc	TM Truskett	Fuelium, Spain
Anna	Llodes	postdoc		Freeform Future
Rueben	Mendelsberg	postdoc	A Anders	UNIST
Hoi Ri	Moon	postdoc	JJ Urban	Sublime Systems
Varada	Palakkal	postdoc		Kyonggi University
Jongsik	Park	postdoc		Applied Materials
Oun Ho	Park	postdoc		Khosla Ventures
Jessy	Rivest	postdoc		Inpria
Benjamin	Roman	postdoc		LBNL
Evelyn	Davies (Rosen)	postdoc	BA Helms	LLNL
April	Sawvel	postdoc	BA Helms	Schlumberger Research
Richa	Sharma	postdoc		Quantumscape
Amita	Singh	postdoc		STMicroelectronics
Ajay	Singh	postdoc		Applied Materials
Yizheng	Tan	postdoc		IIT-Roorkee
Bharat	Tandon	postdoc		Blue Current
Ravisubhash	Tangirala	postdoc		Arizona State Univ.
Robert	Wang	postdoc		EMD
Yang	Wang	postdoc		Boston Consulting Group
Omid	Zandi	postdoc		Analog Devices
Renjia	Zhou	postdoc		
A. Paul	Alivisatos	PhD advisor		U Chicago
David	Mitzi	PD advisor		Duke Univ.

Professional Memberships:

- American Chemical Society
- Materials Research Society
- American Physical Society
- American Institute of Chemical Engineers
- Sigma Xi
- Phi Beta Kappa

Research Proposal Review Activities:

- NSF Divisions of Materials Research and Chemistry
- DOE Basic Energy Sciences
- Proposal Study Panels for Center for Functional Nanomaterials, Brookhaven National Laboratory and Center for Integrated Nanotechnologies, Los Alamos and Sandia National Laboratories
- Cyclotron Road, Lawrence Berkeley National Laboratory

Journal Editorial Activities:

- *Nano Letters*, Associate Editor (2015 - 2020)
- *ACS Photonics*, Editorial Advisory Board (2016 -)
- *Chemistry of Materials*, Editorial Advisory Board (2015 -)
 - *Chemistry of Materials* Reviewer Award (2015)
- *ACS Combinatorial Science*, Editorial Advisory Board (2011 - 2015)
- *Scientific Reports*, Editorial Board (2013 - 2015)

Invited Presentations and Seminars:

- | | |
|---------|---|
| 01.2026 | University of Michigan, Materials Science & Engineering |
| 12.2025 | Pacificchem, Honolulu |
| 10.2025 | North Carolina State University, Chemical and Biomolecular Engineering |
| 09.2025 | University of Michigan, Chemistry |
| 07.2025 | Engineering Light-Matter Interactions: Nanostructures & Polaritonics, Telluride |
| 07.2025 | American Conference on Inorganic Nanoscience, Mount Snow, Vermont |
| 06.2025 | Nanoseries, Valencia (plenary) |
| 05.2025 | Surface Plasmon Photonics, Tokyo (keynote) |
| 05.2025 | Stony Brook University, Materials and Chemical Engineering |
| 04.2025 | Materials Research Society National Meeting, Seattle |
| 04.2025 | UT Graduates for Underrepresented Minorities (GUM-UT) |
| 03.2025 | American Chemical Society National Meeting, San Diego (2) |
| 03.2025 | University of Michigan, Chemical Engineering |
| 02.2025 | Center for Electrochemistry, UT Austin |
| 10.2024 | American Institute of Chemical Engineers National Meeting, San Diego |
| 10.2024 | Arizona State University, Chemical Engineering |
| 10.2024 | University of Minnesota, Chemical Engineering and Materials Science |
| 08.2024 | Chemical Coding at the Atomic Scale, Max Planck Institute, Dresden |
| 08.2024 | American Chemical Society National Meeting, Denver |
| 08.2024 | International Soft Matter Conference, Raleigh |
| 06.2024 | Gordon Research Conference, Noble Metal Nanoparticles |
| 03.2024 | American Chemical Society National Meeting, New Orleans (3) |
| 01.2024 | University of California, Riverside, Materials Science & Engineering |
| 11.2023 | Materials Research Society National Meeting, Boston |
| 11.2023 | Austin Community College |
| 11.2023 | American Institute of Chemical Engineers National Meeting, Orlando |
| 10.2023 | Nanocrystal Surfaces and Defects, Beilstein Nanotechnology Symposium, Rüdelsheim |
| 09.2023 | University of Oklahoma, School of Sustainable Chemical, Biological, and Materials |

Engineering

09.2023 University of Delaware, Chemical & Biomolecular Engineering, Kurt Wohl Memorial Lecture

09.2023 University of California, Berkeley, Nanoscience seminar

08.2023 American Chemical Society National Meeting, San Francisco

07.2023 Nanoscience with Nanocrystals (NaNaX), Klosterneuberg, Austria

04.2023 Materials Research Society National Meeting, San Francisco (2)

02.2023 Gordon Research Conference, Nanomaterials for Energy Applications

02.2023 Designing Soft Matter In & Out of Equilibrium, Lorentz Center Workshop, Leiden

01.2023 Texas A&M University, Materials Science & Engineering

11.2022 University of Illinois Urbana-Champaign, Chemical & Biomolecular Engineering

10.2022 University at Buffalo, Chemical & Biological Engineering, Amol Ajinkya Memorial Lecture

09.2022 University of Florida, Chemical Engineering

08.2022 University of Notre Dame, Chemical & Biomolecular Engineering, Thiele Lecture

08.2022 Army Research Office

08.2022 Tokyo Electron

08.2022 Texas Soft Matter, Austin

07.2022 Gordon Research Conference, Colloidal Semiconductor Nanocrystals

07.2022 Gordon Research Seminar, Colloidal Semiconductor Nanocrystals

06.2022 Princeton University, Chemistry

05.2022 University of California, Santa Barbara, Chemical Engineering

04.2022 University of Southern California, Chemistry

03.2022 American Chemical Society, Inorganic Division Periodic Table Talks

02.2022 Duke University, Mechanical Engineering & Materials Science

01.2022 Auburn University, Chemistry

01.2022 Penn State University, Chemical Engineering

12.2021 Materials Research Society National Meeting, Boston

11.2021 University of Minnesota, Chemistry

10.2021 Columbia University, Chemistry

10.2021 nanoGe Conference, Nanocrystal Fundamentals

10.2021 University of Delaware, Chemistry & Biochemistry

09.2021 New York University, Chemical Engineering

09.2021 Rensselaer Polytechnic Institute, Chemical Engineering

09.2021 Virginia Commonwealth University, Chemical Engineering

06.2021 American Chemical Society Colloids and Surface Science

05.2021 Naval Research Laboratory

03.2021 Applied Nanotechnology and Nanoscience International Conference

03.2021 nanoGe Conference, Chemistry of Nanomaterials

03.2021 News in Nanocrystals, virtual symposium

11.2020 University of Hamburg, Department of Chemistry

10.2020 nanoGe Conference, Infrared Nanocrystals

10.2020 Stanford University, Chemical Engineering

09.2020 Texas State University

06.2020 University of Toronto

10.2019 University of California, San Diego, Nanoengineering

08.2019 American Chemical Society National Meeting, San Diego (award lecture)

06.2019 American Chemical Society Colloids and Surface Science, Atlanta

04.2019 American Chemical Society National Meeting, Orlando

03.2019 Cotton Medal Symposium, Texas A&M, Chemistry

12.2018 Machine Learning and Reverse Engineering of Soft Matter, Leiden

07.2018 Gordon Research Conference, Plasmonics and Nanophotonics, Maine

05.2018 University of Chicago, Chemistry

04.2018 Harvard University and MIT, Inorganic Chemistry

03.2018 American Chemical Society National Meeting, New Orleans (2)
 12.2017 Materials Research Society National Meeting, Boston (2)
 11.2017 American Institute of Chemical Engineers National Meeting, Minneapolis
 10.2017 University of Illinois, Urbana-Champaign, Department of Chemistry
 08.2017 Applied Materials, Santa Clara
 06.2017 Gordon Research Conference, Plasmonically Powered Processes, Hong Kong
 04.2017 American Chemical Society National Meeting, San Francisco (2)
 12.2016 PacSurf, Hawaii
 12.2016 Materials Research Society National Meeting, Boston
 11.2016 University of Washington, Chemical Engineering
 11.2016 American Institute of Chemical Engineers National Meeting, San Francisco
 11.2016 Caltech, Chemical Engineering
 11.2016 Caltech, Materials
 11.2016 Bowling Green State University, Center for Photochemical Science
 09.2016 Louisiana State University, Department of Chemistry, Benjamin P. Boussert Lecture
 06.2016 Fudan University, Department of Chemistry, Shanghai, China
 06.2016 Nature Conference on Materials for Energy, Wuhan, China
 04.2016 Notre Dame University, Department of Chemistry
 04.2016 Pennsylvania State University, Department of Chemistry
 04.2016 MIT, Center for Excitonics
 03.2016 Rice University, Materials Science & Nanoengineering Department
 01.2016 Ecole Polytechnique, Paris, France
 01.2016 Universite de Liege, Liege, Belgium
 12.2015 Pacifichem, Honolulu
 12.2015 Materials Research Society National Meeting, Boston (2)
 11.2015 Composites at Lake Louise, Lake Louise, Canada
 10.2015 stARTup Studio, Austin
 09.2015 CICbiomaGUNE seminar, Donostia-San Sebastian, Spain
 09.2015 CICenergiGUNE seminar, Vitoria-Gasteiz, Spain
 09.2015 FQDots Conference, nanoGe, Santiago de Compostella, Spain
 08.2015 American Chemical Society National Meeting, Boston, Massachusetts
 07.2015 Aspen Ideas Festival, Aspen
 05.2015 Electrochemical Society National Meeting, Chicago
 05.2015 Washington University, St. Louis, Institute for Materials Science & Engineering
 04.2015 Washington University, St. Louis, Department of Chemistry
 03.2015 American Chemical Society National Meeting, Denver (2)
 03.2015 BASF 150th Anniversary Science Symposium, Ludwigshafen, Germany
 03.2015 American Physical Society National Meeting, San Antonio
 02.2015 Gordon Research Conference, Nanomaterials for Energy Technologies, Ventura
 02.2015 CORE-CM seminar, Michigan State University
 02.2015 Center for Nano- and Molecular Science, University of Texas at Austin
 01.2015 Materials Science & Engineering Department, North Carolina State University
 10.2014 KAUST, Applied Functional Materials Workshop, Saudi Arabia
 10.2014 Wayne State University, Nano@Wayne seminar, Detroit, Michigan
 09.2014 Center for NanoScience, Workshop: Walk and Talk at the Nanoscale, Venice, Italy
 08.2014 American Chemical Society National Meeting, San Francisco, California
 07.2014 Gordon Research Conference, Nanostructure Fabrication, University of New England
 07.2014 Gordon Research Conference, Plasmonics, Sunday River Resort
 06.2014 The Molecular Foundry, Lawrence Berkeley National Lab, Berkeley
 05.2014 European Materials Research Society Spring Meeting, Lille, France (2)
 05.2014 Nanoscience with Nanocrystals (NaNaX), Bad Hofgastein, Austria
 04.2014 Materials Research Society National Meeting, San Francisco, California
 03.2014 American Chemical Society National Meeting, Dallas, Texas

02.2014 ARPA-E Energy Innovation Summit, Washington, DC
02.2014 Studio One: The Nature of Programming Matter, University of California, Berkeley (plenary)
01.2014 Middle Eastern Technical University, Ankara, Turkey
10.2013 Norwegian University of Science and Technology, Trondheim, Norway
09.2013 Department of Chemistry, Texas A&M University, College Station, Texas
09.2013 American Chemical Society National Meeting, Indianapolis
08.2013 Transatlantic Frontiers of Chemistry, Seeon, Germany
07.2013 ICMAT, Singapore
05.2013 BASF, Ludwigshafen, Germany
04.2013 Ludwig Maximilian University, Department of Chemistry, Munich, Germany
04.2013 Max Planck Institute for Chemical Energy Conversion, Muelheim, Germany
04.2013 Max Planck Institute for Solid State Research, Stuttgart, Germany
04.2013 Massachusetts Institute of Technology, Materials Science and Engineering Department
04.2013 University of Texas at Austin, Chemical Engineering Department
04.2013 Materials Research Society Spring Meeting, San Francisco
03.2013 University of California, Berkeley, Nanoscale Science and Engineering seminar
02.2013 University of California, Berkeley, Chemical Engineering Department
02.2013 Cornell University, Materials Science and Engineering Department, Ithaca
02.2013 University of Washington, Materials Science and Engineering Department, Seattle
11.2012 ALS/CXRO Seminar Series, Berkeley
11.2012 Seoul National University, Department of Chemical and Biological Engineering, Seoul
11.2012 KAIST, EEWS Department, Daejeon
11.2012 Yonsei University, Department of Chemistry, Seoul
11.2012 Stanford University, Optics and Electronics seminar, Palo Alto, California
10.2012 Advanced Light Source Workshop on mesoscale science beamline, Berkeley
10.2012 Molecular Foundry Workshop on Nanoscale Battery Materials, Berkeley
10.2012 Bay Area Photovoltaics Consortium Annual Meeting, Berkeley (plenary)
09.2012 University of California, Berkeley, Department of Chemistry
08.2012 Dow Chemical, Midland, MI
08.2012 Tenth International Meeting on Electrochromism, Holland, MI (plenary)
06.2012 Gordon Research Conference, Inorganic Chemistry, University of New England
06.2012 Istituto Italiano di Tecnologia, Genoa, Italy
06.2012 CIMTEC, Montecatini Terme, Italy
04.2012 Princeton University, Department of Chemistry
04.2012 University of California, Los Angeles, CNSI
02.2012 University of California, Santa Barbara, Materials Department
01.2012 SPIE Photonics West, BIOS, San Francisco, California
11.2011 Marin Science Seminar, San Rafael, California
10.2011 ARPA-E, US Department of Energy, Washington, DC
09.2011 European Materials Research Society Meeting, Warsaw
08.2011 American Chemical Society National Meeting, Denver
07.2011 Gordon Research Conference, Clusters, Nanocrystals, & Nanostructures, Mount Holyoke
07.2011 Argonne National Laboratory, Center for Nanoscale Materials
05.2011 LBNL Carbon Cycle 2.0 Seminar, Berkeley
05.2011 University of California, San Diego, Nanoengineering Department
04.2011 University of California, Berkeley, EECS Solid State Seminar
04.2011 California Institute of Technology, Forum on Nanotechnology for Sustainability
02.2011 University of California, Santa Barbara, MROP
09.2010 Istituto Italiano di Tecnologia, Genoa, Italy
08.2010 LBNL Summer Lecture Series, Berkeley
06.2010 Crystal Growth West, South Lake Tahoe, California
05.2010 DNV Materials Forum, Columbus, Ohio

01.2010	University of California, Santa Barbara, Materials Department
09.2009	European Phase Change and Ovonic Science conference, Aachen, Germany, Selected as "Best Presentation."
06.2009	NSRC contractors meeting, Annapolis, Maryland
04.2009	MRS Spring Meeting, San Francisco
01.2009	Oregon State University, Eugene
10.2008	University of California, Berkeley, Nanoscience seminar
09.2008	LBNL, The Molecular Foundry
09.2008	European Phase Change and Ovonic Science Conference, Prague
04.2008	SUNY, Stonybrook, Department of Physics and Astronomy
04.2008	MRS Spring Meeting, San Francisco
10.2007	CCNY, New York, Department of Chemistry
11.2006	Palo Alto Research Center (PARC)
03.2003	International Symposium on Compound Semiconductors (ISCS), San Diego
03.2003	Nanoscale Science Research Centers Workshop, Washington, DC