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Education/Training:

- 1983 B.S. - Materials Science & Engineering, North Carolina State University, Raleigh, NC
- 1985 M.S. - Materials Science & Engineering, North Carolina State University, Raleigh, NC
- 1992 Ph.D. - Materials Science, North Carolina State University, Raleigh, NC

Research and Professional Experience:

- 2013-present Group Leader, Electron and Atom Probe Microscopy Group
Center for Nanophase Materials Sciences
Oak Ridge National Laboratory, Oak Ridge, TN

- 2006-2016 Group Leader, Microscopy Group
Materials Science and Technology Division
Oak Ridge National Laboratory, Oak Ridge, TN

- 2006-2013 Director, Shared Research Equipment (ShaRE) User Facility, an Office of Science Electron
Beam Microcharacterization Center, Oak Ridge National Laboratory, Oak Ridge, TN

- 1988-present Distinguished R&D Staff Member
Oak Ridge National Laboratory, Oak Ridge, TN

- 1986-1988 Shared Research Equipment (ShaRE) User Facility Staff Microscopist
Oak Ridge Associated Universities, Oak Ridge, TN

- 1983-1986 Graduate Research Assistant, North Carolina State University, Raleigh, NC

Significant Awards and Honors:

- DOE Hydrogen and Fuel Cells Program Research & Development Award (2013)
- R&D 100 Award Team Member (2010)
- IGTI/ASME Ceramics Committee Best Paper Award – Paper #2009-GT-59223 (2009)
- Fellow of The American Ceramic Society (2007)
- DOE Hydrogen Program Research & Development Award (2006)
- ORNL Significant Event Awards (1997, 1999, 2002, 2004, 2005)
- Research listed in “Top Ten Accomplishments for DOE Fuel Cell Program” by Freedom Car Tech Team (2004, 2005, 2007, 2008, 2010, 2013, 2015)
- NASA's "Turning Goals Into Reality (TGIR)" Award (2004)
- IGTI/ASME Ceramics Committee Best Paper Award - Paper #GT-2002-30630 (2002)
- U.S. Department of Energy, Office of Power Technologies, Research Partnership Award (2001)
- Lockheed Martin Energy Research Corp. Award for Development Accomplishment (1999)
- Lockheed Martin Energy Research Corp. Award for Team Technical Accomplishment (1998)
- First Partnership for a New Generation of Vehicles (PNGV) Award for Technical Accomplishment (1996)
- American Women in Science, Distinguished Technology Award (1995)
- Martin Marietta Energy Systems Technical Publication Award (1993)
- Society of Women Engineers Outstanding Female Graduate Student Award, NCSU Chapter (1986)
- Presidential Award, Microscopy Society of America (1986)
- Materials Research Society (MRS) Student Award (1985)

Synergistic Activities:

- Professional Societies: American Ceramic Society (ACerS), Microscopy Society of America (MSA), Materials Research Society (MRS), The Electrochemical Society (ECS)
- Chair, ACerS Sosman Lecture Award Committee, 2015-2016
- Organizer: Ceramographic Exhibit, Annual Meeting of The American Ceramic Society 2003-present
- MRS Turnbull Lecture Award Committee, 2013-present
- Chair, Ceramics Committee, IGTI/ASME for 2007-2008 (Vice Chair 2005-2006)
- Reviewer, NSF Major Research Instrument (MRI) and Materials Innovation Platforms (MIP) Panels
- Adjunct Professor (Graduate Thesis Committees): Rensselaer Polytechnic Institute, Northwestern University, Pennsylvania State University, Rutgers University, North Carolina State University

Graduate Students Supervised:

Kelly Perry (Rensselaer Polytechnic Institute); Sharon Robinson (Rutgers University); K.S. Reeves (North Carolina State University); Erin McDevitt (Northwestern University); Matthew Stoudt (Pennsylvania State University)

Post-docs Supervised:

Ai Serizawa; Lan Yao; Cheng Ma; Baishakhi Mazumder; Wei Guo; Brian Sneed

Journal Publications (250 publications, >8600 citations, h-index=40):

- 1) F.H. Garzon, M.S. Wilson, D. Banham, S.Y. Ye, and K.L. More, "Carbonaceous Nanowire Supports for Polymer Electrolyte Membrane Fuel Cells," *Journal of the Electrochemical Society* **163**[2] F115-F121 (2016).
- 2) R.R. Unocic, L. Baggetto, G.M. Veith, J.A. Aguiar, K.A. Unocic, R.L. Sacci, N.J. Dudney, and K.L. More, "Probing Battery Chemistry with Liquid Cell Electron Energy Loss Spectroscopy," *Chemical Communications* **51**[91] 16377-16380 (2015).
- 3) M. Chi, C. Wang, Y.K. Lei, G.F. Wang, D.G. Li, K.L. More, A. Lupini, L.F. Allard, N.M. Markovic, and V.R. Stamenkovic, "Surface Faceting and Elemental Diffusion Behavior at Atomic Scale for Alloy Nanoparticles during in situ Annealing," *Nature Communications* **6** Article 8925 (2015).
- 4) S. Deng, M.K. Hassan, A. Nalawade, K.A. Perry, K.L. More, K.A. Mauritz, M.T. McDonnell, D.J. Keffer, and J.W. Mays, "High Temperature Proton Exchange Membranes with Enhanced Proton Conductivities at Low Humidity and High Temperature Based on Polymer Blends and Block Copolymers of Poly(1,3-cyclohexadiene) and Poly(ethylene glycol)," *Polymer* **77** 208-217 (2015).
- 5) D. Qian, C. Ma, K.L. More, Y.S. Meng, and M. Chi, "Advanced Analytical Electron Microscopy for Li-Ion Batteries," *NPG Asia Materials* **7**[6] e193 (2015).
- 6) A. Villa, M. Schiavoni, C.E. Chan-Thaw, P.F. Fulvio, R.T. Mayes, S. Dai, K.L. More, G.M. Veith, and L. Pratti, "Acid-Functionalized Mesoporous Carbon: An Efficient Support for Ruthenium-Catalyzed γ -Valerolactone Production," *ChemSusChem* DOI: 10.1002/cssc.201500331 (2015).
- 7) L. Elbaz, J. Phillips, K. Artyushkova, K.L. More, and E.L. Brosha, "Evidence of High Electrocatalytic Activity of Molybdenum Carbide Supported Platinum Nanorrafts," *Journal of The Electrochemical Society* **162**[9] H681-H685 (2015).
- 8) S.P. Adhikari, Z.D. hood, K.L. More, I. Ivanov, L. Zhang, M. Gross, and A. Lachgar, "Visible Light Assisted Photocatalytic Hydrogen Generation by Ta₂O₅/Bi₂O₃, TaON/Bi₂O₃, and Ta₃O₅/Bi₂O₃ Composites," *RSC Advances* **5** 54998-55005 (2015).
- 9) A. Epshteyn, Y. Garsany, K.L. More, H.M. Meyer, A.P. Purdy, and K.E. Swider-Lyons, "Effective Strategy for Improving Electrocatalyst Durability by Adhesive Immobilization of Catalyst Nanoparticles on Graphitic Carbon Supports," *ACS Catalysis* **5**[6] 3662-3674 (2015).
- 10) R.L. Sacci, J.M. Black, N. Balke, N.J. Dudney, K.L. More, and R.R. Unocic, "Nanoscale Imaging of Fundamental Li Battery Chemistry: Solid-Electrolyte Interphase Formation and Preferential Growth of Li Metal Nanoclusters," *Nano Letters* **15**[3] 2011-2018 (2015).

- 11) C. Ma, E. Rangasamy, C.D. Liang, J. Sakamoto, K.L. More, and M. Chi, "Excellent Stability of a Li-Ion-Conducting Solid Electrolyte upon Reversible Li⁺/H⁺ Exchange in Aqueous Solutions," *Angewandte Chemie International Edition* **54**[1] 129-133 (2015).
- 12) J.S. Choi, V. Schwartz, E. Santillan-Jimenez, M. Crocker, S.A. Lewis, M.J. Lance, H.M. Meyer, and K.L. More, "Structural Evolution of Molybdenum Carbides in Hot Aqueous Environments and Impact on Low-Temperature Hydroprocessing of Acetic Acid," *Catalysts* **5**[1] 406-423 (2015).
- 13) D.A. Cullen, K.L. More, L.L. Atanasoska, and R.T. Atanasoski, "Impact of IrRu Oxygen Evolution Reaction Catalysts on Pt Nanostructured Thin Films under Start-Up/Shutdown Cycling," *Journal of Power Sources* **269** 671-681 (2014).
- 14) Y.J. Yang, J. Snyder, M. Chi, D.G. Li, K.L. More, N.M. Markovic, and V.R. Stamenkovic, "Multimetallic Core/Interlayer/Shell Nanostructures as Advanced Electrocatalysts," *Nano Letters* **14**[11] 6361-6367 (2014).
- 15) O. Rios, S.K. Martha, M.A. McGuire, W. Tenhaeff, K.L. More, C. Daniel, and J. Nanda, "Monolithic Composite Electrodes Comprising Silicon Nanoparticles Embedded in Lignin-Derived Carbon Fibers for Li-Ion Batteries," *Energy Technology* **2**[9-10] 773-777 (2014).
- 16) Q. Li, G. Wu, D.A. Cullen, K.L. More, N.H. Mack, H.T. Hung, and P. Zelenay, "Phosphate-Tolerant Oxygen Reduction Catalysts," *ACS Catalysis* **4**[9] 3193-3200 (2104).
- 17) D.J. Chadderton, L. Xin, J. Qi, Y. Qui, P. Krishna, K.L. More, and W.Z. Li, "Electrocatalytic Oxidation of 5-Hydroxymethylfurfural to 2,5-Furandicarboxylic Acid on Supported Au and Pd Bimetallic Nanoparticles," *Green Chemistry* **16**[8] 3778-3786 (2014).
- 18) R.R. Unocic, X.G. Sun, R.L. Sacci, L.A. Adamczyk, D.H. Alsem, S. Dai, N.J. Dudney, and K.L. More, "Direct Visualization of Solid Electrolyte Interphase Formation in Li-Ion Batteries with In Situ Electrochemical Transmission Electron Microscopy," *Microscopy and Microanalysis* **20**[4] 1029-1037 (2014).
- 19) C. Ma, K. Chen, C.D. Liang, C.W. Nan, R. Ishikawa, K.L. More, and M. Chi, "Atomic-Scale Origin of the Large Grain Boundary Resistance in Perovskite Li-Ion-Conducting Solid Electrolytes," *Energy & Environmental Science* **7**[5] 1638-1642 (2014).
- 20) R.R. Unocic, R.L. Sacci, G.M. Brown, G.M. Veith, N.J. Dudney, K.L. More, F.S. Walden, G.S. Gardiner, J. Damiano, and D.P. Nackashi, "Quantitative Electrochemical Measurements using In Situ ec-S/TEM Devices," *Microscopy and Microanalysis* **20**[2] 452-461 (2014).
- 21) W. Gao, G. Wu, M.T. Janicke, D.A. Cullen, R. Mukundan, J.K. Baldwin, E.L. Brosha, C. Garlande, P.M. Ajayan, K.L. More, A.M. Dattlebaum, and P. Zelenay, "Ozonated Graphene Oxide Film as a Proton Exchange Membrane," *Angewandte Chemie International Edition* **53**[14] 3588-3593 (2014).
- 22) C. Chen, Y.J. Kang, Z.Y. Huo, Z.W. Zhu, W.Y. Huang, H.L.L. Xin, J.D. Snyder, D.G. Li, J.A. Herron, M. Mavrikakis, M. Chi, K.L. More, Y.D. Li, N.M. Markovic, G.A. Somorjai, P.D. Yang, and V.R. Stamenkovic, "Highly Crystalline NANoframes with Three-Dimensional Electrocatalytic Surfaces," *Science* **343** 1339-1343 (2014).
- 23) D.A. Cullen, R. Koestner, R.S. Kukreja, Z.Y. Liu, S. Minko, O. Trotsenko, A. Tokarev, L. Guetaz, H.M. Meyer, C.M. Parish, and K.L. More, "Imaging and Microanalysis of Thin Ionomer Layers by STEM," *Journal of The Electrochemical Society* **161**[10] F1111-F1117 (2014).
- 24) X.C. Xiao, Z.Y. Liu, L. Baggetto, G.M. Veith, K.L. More, and R.R. Unocic, "Unraveling Manganese Dissolution/Deposition Mechanisms on the Negative Electrode in Li-Ion Batteries," *Physical Chemistry Chemical Physics* **16**[22] 10398-10402 (2014).
- 25) R.L. Sacci, N.J. Dudney, K.L. More, L.R. Parent, I Arslan, N.D. Browning, and R.R. Unocic, "Direct Visualization of Initial SEI Morphology and Growth Kinetics During Lithium Deposition by In Situ Electrochemical TEM," *Chemical Communications* **50**[17] 2104-2107 (2014).
- 26) W.E. Tenhaeff, O. Rios, K.L. More, and M.A. McGuire, "Highly Robust Lithium Ion Battery Anodes from Lignin: An Abundant, Renewable, and Low-Cost Material," *Advanced Functional Materials* **24**[1] 86-94 (2014).

- 27) K.A. Perry, K.L. More, E.A. Payzant, R.A. Meisner, B.G. Sumpter, and B.C. Benicewicz, "A Comparative Study of Phosphoric Acid-Doped *m*-PBI Membranes," *Journal of Polymer Science B – Polymer Physics* **52**[1] 26-35 (2014).
- 28) X. Wu, I. Baker, M.K. Miller, K.L. More, Z. Cai, and S. Chen, "Microstructure and Mechanical Properties of Two-Phase Fe₃₀Ni₂₀Mn₂₀Al₃₀. Part I: Microstructure," *Journal of Materials Science* **48**[21] 7435-7445 (2013).
- 29) S. Pylypenko, A. Borisevich, K.L. More, A.R. Corpuz, T. Holme, A.A. Dameron, T.S. Olson, H.N. Dinh, T. Gennett, and R. O'Hayre, "Nitrogen: Unraveling the Secret to Stable Carbon-Supported Pt-Alloy Electrocatalysts," *Energy & Environmental Science* **6**[10] 2957-2964 (2013).
- 30) M. Mahjouri-Samani, Y.S. Zhou, L. Fan, Y. Gao, W. Xiong, K.L. More, L. Jiang, and Y.F. Lu, "Laser-Assisted Solid-State Synthesis of Carbon Nanotube/Silicon Core/Shell Structures," *Nanotechnology* **24**[25] 255604 (2013).
- 31) S. Gaur, H.Y. Wu, G.G. Stanley, K.L. More, C.S.S.R. Kumar, and J.J. Spivey, "CO Oxidation Studies over Cluster-Derived Au/TiO₂ and AUROLite™ Au/TiO₂ Catalysts using DRIFTS," *Catalysis Today* **208** 72-81 (2013).
- 32) T. Cheng, C.M. Parish, and K.L. More, "Synthesis of Platinum Single-Crystal Nanoparticles in Water Vapor," *Journal of Materials Science* **48**[10] 3834-3840 (2013).
- 33) S.H. Wee, Y.F. Gao, Y.L. Zuev, K.L. More, J.Y. Meng, J.X. Zhong, G.M. Stocks, and A. Goyal, "Self-Assembly of Nanostructured, Complex, Multication Films via Spontaneous Phase Separation and Strain-Driven Ordering," *Advanced Functional Materials* **23**[15] 1912-1918 (2013).
- 34) O. Malkina, H. Mahfuz, K. Sorge, A. Rondinone, J. Chen, K.L. More, S. Reeves, and V. Rangari, "Magnetic Alignment of SWCNTs Decorated with Fe₃O₄ to Enhance Mechanical Properties of SC-15 Epoxy," *AIP Advances* **3**[4] 042104 (2013).
- 35) G. Wu, K.L. More, P. Xu, H.L. Wang, M. Ferrandon, A.J. Kropf, D.J. Myers, S. Ma, C.M. Johnston, and P. Zelenay, "A Carbon-nanotube-supported Graphene-rich Non-precious Metal Oxygen Reduction Catalyst with Enhanced Performance Durability," *Chemical Communications* **49** 3291-3293 (2013).
- 36) M. Li, D.A. Cullen, K. Sasaki, N.S. Marinkovic, K.L. More, and R.R. Adzic, "Ternary Electrocatalysts for Oxidizing Ethanol to Carbon Dioxide: Making Ir Capable of Splitting C-C Bond," *Journal of the American Chemical Society* **135**[1] 132-141 (2013).
- 37) C.N. Sun, K.L. More, G.M. Veith, and T.A. Zawodzinski, "Composition Dependence of the Pore Structure and Water Transport of Composite Catalyst Layers for PEM Fuel Cells," *Journal of The Electrochemical Society* **160**[9] F1000-F1005 (2013).
- 38) Y. Garsany, A. Epshteyn, K.L. More, and K.E. Swider-Lyons, "Oxygen Electroreduction on nanoscale Pt/[TaOPO₄/VC] and Pt/[Ta₂O₅/VC] in Alkaline Electrolyte," *ECS Electrochemistry Letters* **2**[10] H46-H50 (2013).
- 39) K.R.S. Chandrakumar, J.D. Readle, C.M. Rouleau, A.A. Puretsky, D.B. Geohegan, K.L. More, V. Krishnan, M.K. Tian, G. Duscher, B. Sumpter, S. Irle, and K. Morokuma, "High-temperature Transformation of Fe-decorated Single-wall carbon Nanohorns to Nanoysters: A Combined Experimental and Theoretical Study," *Nanoscale* **5**[5] 1849-1857 (2013).
- 40) X. Wu, I. Baker, M.K. Miller, K.L. More, H. Bei, and H. Wu, "Microstructure and Mechanical Behavior of Directionally Solidified Fe₃₅Ni₁₅Mn₂₅Al₂₅," *Intermetallics* **32** 413-422 (2013).
- 41) R.T. Atanasoski, L.L. Atanasoska, D.A. Cullen, G.M. Haugen, K.L. More, and G.D. Vernstrom, "Fuel Cells Catalyst for Start-up and Shutdown Conditions: Electrochemical, XPS, and STEM Evaluation of Sputter-deposited Ru, Ir, and Ti on Pt-coated NSTF Supports," *Electrocatalysis* **3**[3-4] 284-297 (2012).
- 42) J. Nag, R.F. Haglund, E.A. Payzant, and K.L. More, "Non-congruence of Thermally Driven Structural and Electronic Transitions in VO₂," *Journal of Applied Physics* **112**[10] 103532 (2012).
- 43) P.F. Tortorelli, E.D. Specht, K.L. More, and P.Y. Hou, "Oxide Growth Stress Measurements and Relaxation Mechanisms for Alumina Scales Grown on FeCrAlY," *Materials and Corrosion* **63**[10] 857-861 (2012).

- 44) A. Korvina, Y. Garsany, A. Epshteyn, A.P. Purdy, K.L. More, K.E. Swider-Lyons, and D.E. Ramaker, "Understanding Oxygen Reduction on Tantalum Oxyphosphate and Tantalum Oxide Supported Pt by X-ray Absorption Spectroscopy," *Journal of Physical Chemistry C* **116**[34] 18175-18183 (2012).
- 45) D.M. Zhang, S.Q. Shi, C.U. Pittman, D.P. Jiang, W. Che, Z. Gai, J.Y. Howe, K.L. More, and A. Antonyraj, "Versatile and Biomass Synthesis of Fe-based Nanoparticles Supported on Carbon Matrix with High Iron Content and Tunable Reactivity," *Journal of Nanoparticle Research* **14**[8] 1023 (2012).
- 46) M.P. Brady, J.R. Keiser, K.L. More, M. Fayek, L.R. Walker, R.A. Peascoe-Meisner, L.M. Anovitz, D.J. Wesolowski, and D.R. Cole, "Comparison of Short-term Oxidation Behavior of Model and Commercial Chromia-Forming Ferritic Stainless Steels in Dry and Wet Air," *Oxidation of Metals* **78**[1-2] 1-16 (2012).
- 47) C. Wang, D.G. Li, M. Chi, J. Pearson, R.B. Rankin, J. Greeley, Z.Y. Duan, G.F. Wang, D. van der Vliet, K.L. More, N.M. Markovic, and V.R. Stamenkovic, "Rational Development of Ternary Alloy Electrocatalysts," *Journal of Physical Chemistry Letters* **3**[12] 1668-1673 (2012).
- 48) Y.S. Chen, Y.Q. Xu, K. Perry, A.P. Sokolov, K.L. More, and Y. Pang, "Achieving Diameter-selective Separation of Single-walled Carbon Nanotubes by Using Polymer-Conformation-confined Helical Cavity," *ACS Macro Letters* **1**[6] 701-705 (2012).
- 49) M. Gupta, V. Schwartz, S.H. Overbury, K.L. More, H.M. Meyer, and J.J. Spivey, "Novel Pulse-electrodeposited Co-Cu-ZnO Nanowire/Tube Catalysts for C-1-C-4 Alcohols and C-2-C-6 (Except C-5) Hydrocarbons from CO and H₂," *Journal of Physical Chemistry C* **116**[20] 10924-10933 (2012).
- 50) A.A. Puretzky, D.B. Geohegan, J.J. Jackson, S. Pannala, G. Eres, C.M. Rouleau, K.L. More, N. Thonard, and J.D. Readle, "Incremental Growth of Short SWNT Arrays by Pulsed Chemical Vapor Deposition," *Small* **8**[10] 1534-1542 (2012).
- 51) A. Shyam, E. Lara-Curzio, A. Pandey, T.R. Watkins, and K.L. More, "The Thermal Expansion, Elastic, and Fracture Properties of Porous Cordierite at Elevated Temperatures," *Journal of the American Ceramic Society* **95**[5] 1682-1691 (2012).
- 52) M. Regmi, K.L. More, and G. Eres, "A Narrow Biasing Window for High Density Diamond Nucleation on Ir/YSZ/Si(100) using Microwave Plasma Chemical Vapor Deposition," *Diamond and Related Materials* **23** 28-33 (2012).
- 53) S. Sathymurthy, E. Tuncer, K.L. More, B.H. Gu, I. Sauers, and M.P. Paranthaman, "Colloidal Synthesis of BaF₂ Nanoparticles and Their Application as Fillers in Polymer Nanocomposites," *Applied Physics A – Materials Science & Processing* **106**[3] 661-667 (2012).
- 54) V. Mazumder, M. Chi, M.N. Mankin, Y. Liu, O. Metin, D.H. Sun, K.L. More, and S.H. Sun, "A Facile Synthesis of MPd (M=Co, Cu) Nanoparticles and Their Catalysis for Formic Acid Oxidation," *Nano Letters* **12**[2] 1102-1106 (2012).
- 55) G. Polizos, E. Tuncer, A.L. Agapov, D. Stevens, A.P. Sokolov, M.K. Kidder, J.D. Jacobs, H. Koerner, R.A. Vaia, K.L. More, and I. Sauers, "Effect of Polymer-nanoparticle Interactions on the Glass Transition Dynamics and the Conductivity Mechanism in Polyurethane Titanium Dioxide Nanocomposites," *Polymer* **53**[2] 595-603 (2012).
- 56) K.S. Mason, K.C. Neyerlin, M.C. Kuo, K.C. Horning, K.L. More, and A.M. Herring, "Investigation of a Silicotungstic Acid Functionalized Carbon on Pt Activity and Durability for the Oxygen Reduction reaction," *Journal of The Electrochemical Society* **159**[12] F871-F879 (2012).
- 57) E. Tuncer, G. Polizos, I. Sauers, D.R. James, A.R. Ellis, and K.L. More, "Epoxy Nanodielectrics Fabricated with In-situ and Ex-situ Techniques," *Journal of Experimental Nanoscience* **7**[3] 274-281 (2012).
- 58) Y.S. Chen, A. Malkovskiy, X.Q. Wang, M. Lebron-Colon, A.P. Sokolov, K.A. Perry, K.L. More, and Y. Pang, "Selection of Single-walled Carbon Nanotube with Narrow Diameter Distribution by Using a PPE-PPV Co-Polymer," *ACS Macro Letters* **1**[1] 246-251 (2012).

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- 60) A. Villa, C.E. Chan-Thaw, G.M. Veith, K.L. More, D. Ferri, and L. Prati, "Au on Nanosized NiO: A Cooperative Effect Between Au and Nanosized NiO in the Base-free Alcohol Oxidation," *ChemCatChem* **3**[10] 1612-1618 (2011).
- 61) D.B. Geohegan, A.A. Puzos, J.J. Jackson, C.M. Rouleau, G. Eres, and K.L. More, "Flux-Dependent Growth Kinetics and Diameter Selectivity in SWCNT Arrays," *ACS Nano* **5**[10] 8311-8321 (2011).
- 62) C. Wang, M. Chi, D.G. Li, D. van der Vliet, G.F. Wang, Q.Y. Lin, J.F. Mitchell, K.L. More, N.M. Markovic, and V.R. Stamenkovic, "Synthesis of Homogeneous Pt-Bimetallic Nanoparticles as Highly Efficient Electrocatalysts," *ACS Catalysis* **1**[10] 1355-1359 (2011).
- 63) V.V. Iyengar, B.K. Nayak, K.L. More, H.M. Meyer, M.D. Biegalski, J.V. Li, and M. Gupta, "Properties of Ultrafast Laser Textured Silicon for Photovoltaics," *Solar Energy Materials and Solar Cells* **95**[10] 2745-2751 (2011).
- 64) Y. Liu, M. Chi, V. Mazumder, K.L. More, S. Soled, J.D. Henao, and S.H. Sun, "Composition-Controlled Synthesis of Bimetallic PdPt Nanoparticles and their Electro-oxidation of Methanol," *Chemistry of Materials* **23**[18] 4199-4203 (2011).
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- 66) J. Nag, E.A. Payzant, K.L. More, and R.F. Haglund, "Enhanced Performance of Room-Temperature-Grown Epitaxial Thin Films of Vanadium Oxide," *Applied Physics Letters* **98**[25] 251916 (2011).
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