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Dr. Xudong Wang is an assistant professor in the department of Materials Science and Engineering at University of Wisconsin – Madison. He received his PhD degree from the school of Materials Science and Engineering at Georgia Institute of Technology in 2005. His current research interests include studying the nanometer scale piezoelectric properties; understanding the coupling effect between piezoelectric polarization and semiconductor functionalities; and investigating the growth mechanisms and developing assembly techniques of oxide nanostructures for mechanical and solar energy harvesting. He has published 66 peer reviewed papers, which have been cited over 5,000 times and his current h-index is 31. He is also the recipient of NSF CAREER Award, DARPA Young Faculty Award, 3M Non-Tenured Faculty Award, Ross Coffin Purdy Award, and Technology Review Young Innovators Under 35 Award.